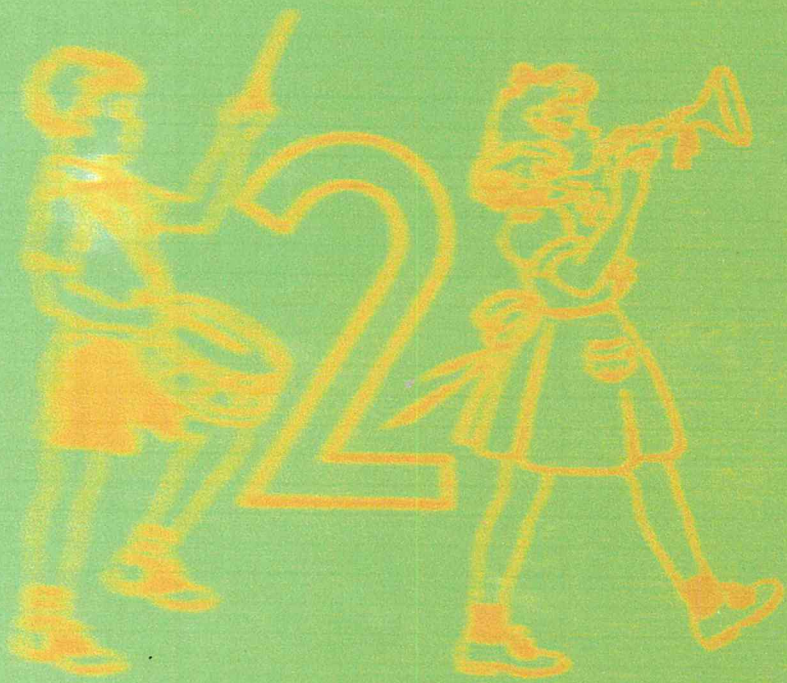
Making Sure of ARITHMETIC



MERLE GRAY

Making Sure of ARITHMETIC

· GRADE TWO ·

ROBERT LEE MORTON and MERLE GRAY

Illustrated by

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Foreword

Children can — and should — enjoy arithmetic. They will enjoy it and succeed in it if they are conscious of steady progress, and if they understand what they are doing.

In MAKING SURE OF ARITHMETIC it has been the purpose of the authors to help the pupil "make sure" of the successive steps in learning to understand and to use arithmetic. The development of each process is presented with the most careful attention to the thinking that is required. "Can the pupil follow the thinking? Can he take the next step?" The authors have tried to "make sure" that the pupil can think for himself and take each learning step successfully.

Each new process is explained in the simplest terms, utilizing every graphic aid possible. From the beginning, meaning and relationship are emphasized. As a result the pupil gains not only skill but skill with understanding.

Processes are taught, practiced, reviewed, and re-taught. Each book begins with a telescoped presentation of the processes taught earlier. The pupil has an opportunity to retrace his thinking. With this help he can "make sure" of progress and growth. Nothing is so discouraging to a pupil as confused thinking and failure; nothing is more encouraging than a feeling of confidence and an awareness of his own progress.

These have been guiding principles in building the series, MAKING SURE OF ARITHMETIC.

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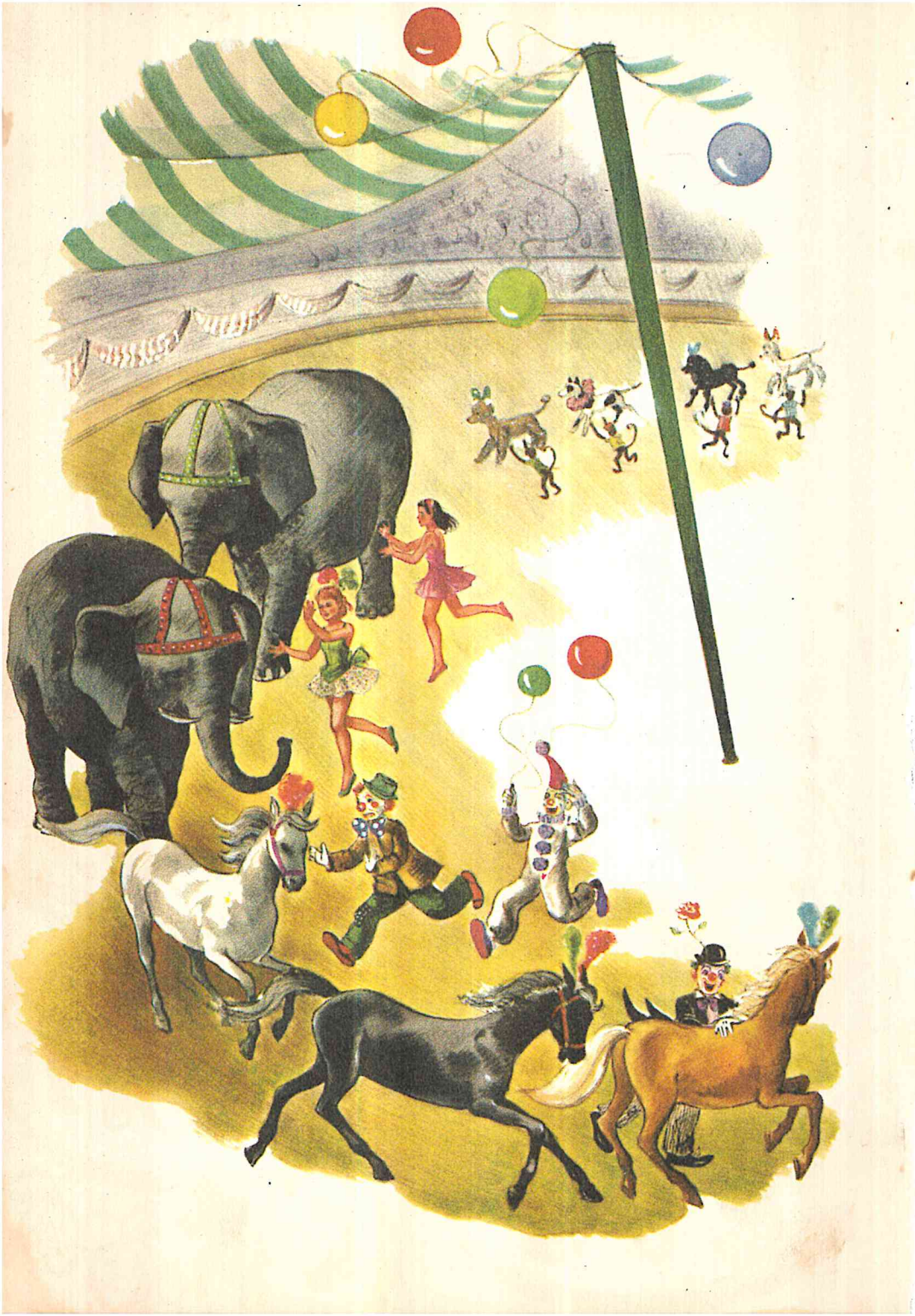


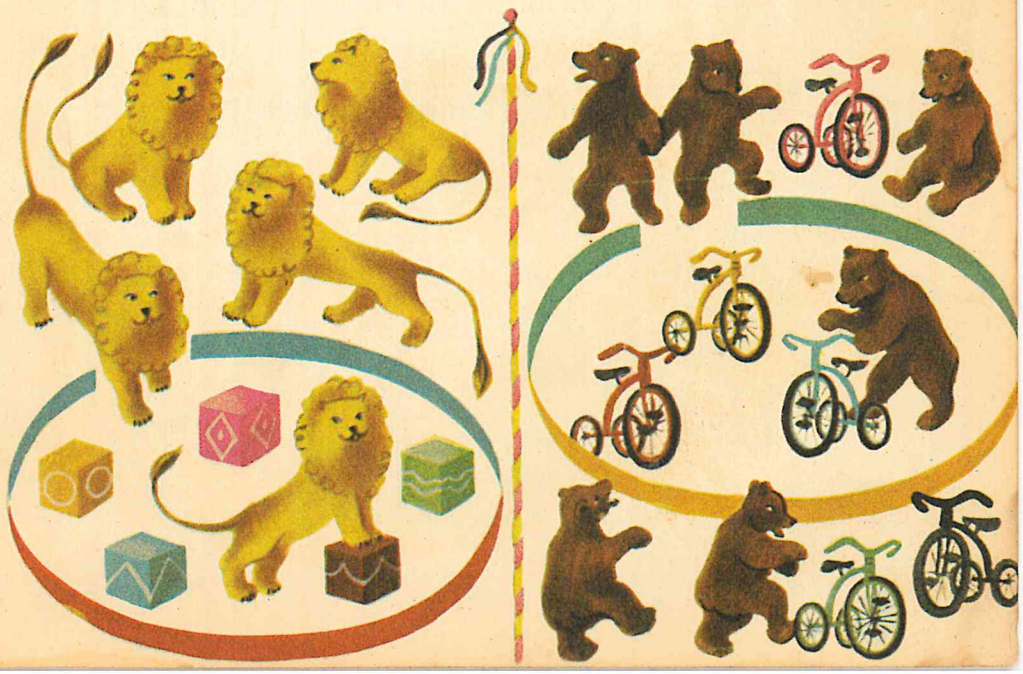
The Circus

The circus is ready to begin. Ponies, elephants, and dogs are coming into the ring. The clowns, the monkeys, and the girls are coming after them. They want to ride.

1. The girls want to ride the elephants. Is there an elephant for each girl to ride? yes
2. Is there a pony for each monkey to ride? no
3. Is there a dog for each monkey to ride? yes
4. Is there a pony for each clown to ride? yes

Look at the pictures of the lions and bears.

5. Can each lion have a box to climb on? yes
6. Can each bear have a ride? yes



The Circus Parade

1. Count the elephants in the circus parade. What number did you say when you counted the last elephant? 3

When you count, the last number you say tells how many there are in all.

2. How many clowns are on animals? 4
3. How many clowns are in the circus wagon? 5
4. Count the clowns in the parade. 9
5. How many horses are pulling the wagon? 6
6. Count the horses in the parade. 7
7. Count all of the animals in the parade. 10
8. How many men are walking? 8

One and More Than One

1. Count the animals in each picture. 16 elephant
2. Which pictures show only one animal? lion
3. Which pictures show more than one animal? monkeys, giraffes, zebras, bears.

When two things, or more than two things, are together we call them a group of things.

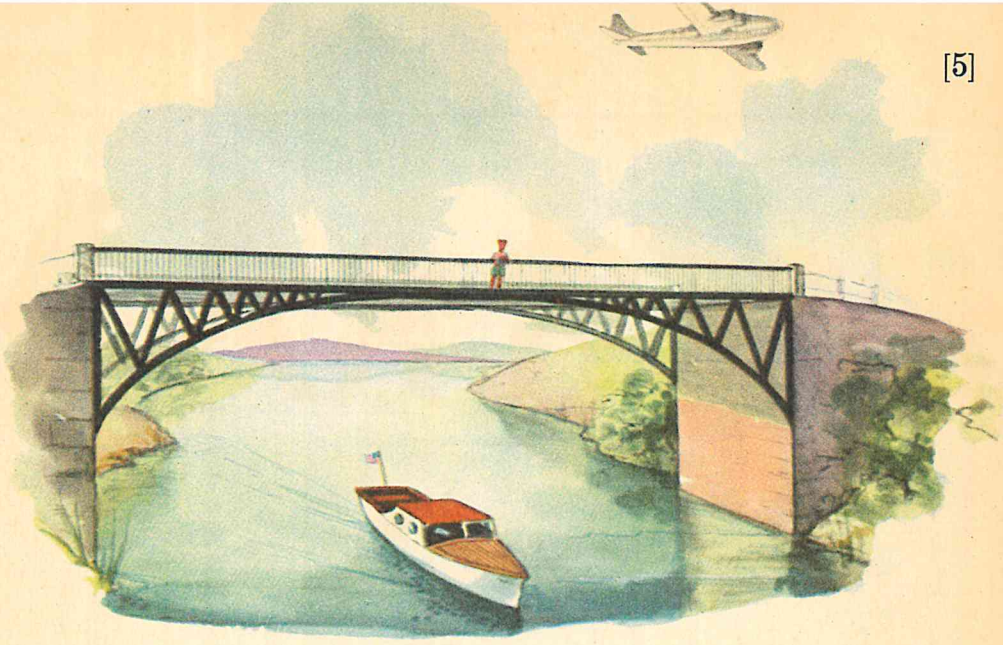
4. Find the picture of monkeys. Are the monkeys together? Yes Is there a group of monkeys? yes
5. Is there a group of lions? no
6. Is there a group of bears? yes
7. Find four pictures of groups of animals. How many animals are there in each group? 5 monkeys, 2 giraffes, 3 zebras, 4 bears.

PICTURE A

Top and Bottom

1. Picture A has two rows of animals. The lions are in the top row. The bears are in the bottom row. Count the animals in each row.
2. How many animals are in the top row? 5
3. How many animals are in the bottom row? 6
4. In picture B, at the bottom of the page, what animals are in the top row?
5. Look at picture B again. What animals are in the bottom row?
6. How many animals are in the top row? 7
7. How many animals are in the bottom row? 8

PICTURE B



Above and Below

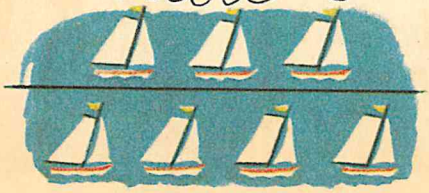
The airplane is in the air above the bridge. The boat is on the water below the bridge.

1. Find the boy. Is he above the boat? yes
2. Is the boy below the airplane? yes
3. Is the bridge above or below the airplane? below
4. Is the bridge above or below the boat? above

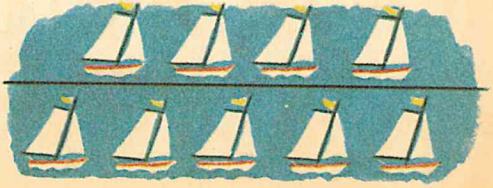
5. Look at the two pictures of boats below. Tell how many boats are above the line and how many are below the line in each picture. above A 3 below 4

above B 4 below 5

A



B



1 2 3 4 5

one two three four five

Writing Numbers

Each → shows which way to go when you make the numbers below. The dotted line shows which part to make last.

Write each number. Make your numbers as tall as the numbers you see here.

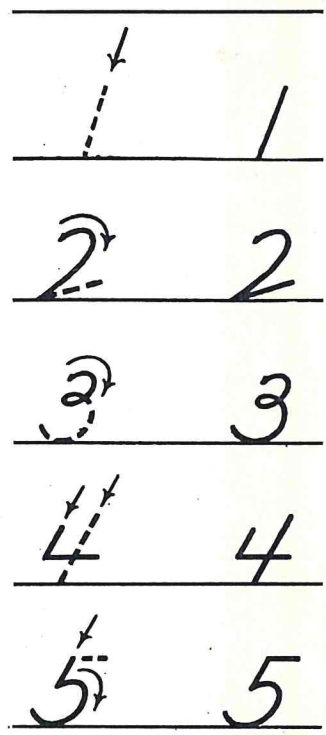
The 1 ends on the line.

The 2 begins with 2 . It goes to the line. Then the last part goes up.

The 3 goes to the line. Then the last part goes above the line.

The 4 has two parts. One part crosses the other part. The last part goes to the line.

The 5 has two parts. Make this part first: 5 . Then make this part: – .



Write the numbers from 1 to 5.

6 7 8 9 10

six seven eight nine ten

Writing More Numbers

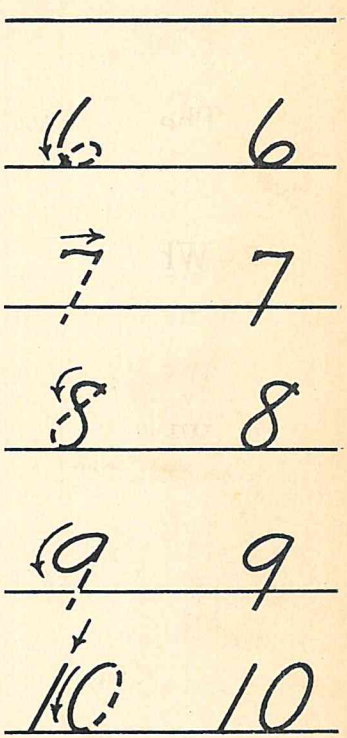
The 6 goes to the line. Then it goes around and comes back to the line again.

The 7 begins with — . The last part ends below the line.

The 8 begins with S . It goes to the line. Then the last part goes up.

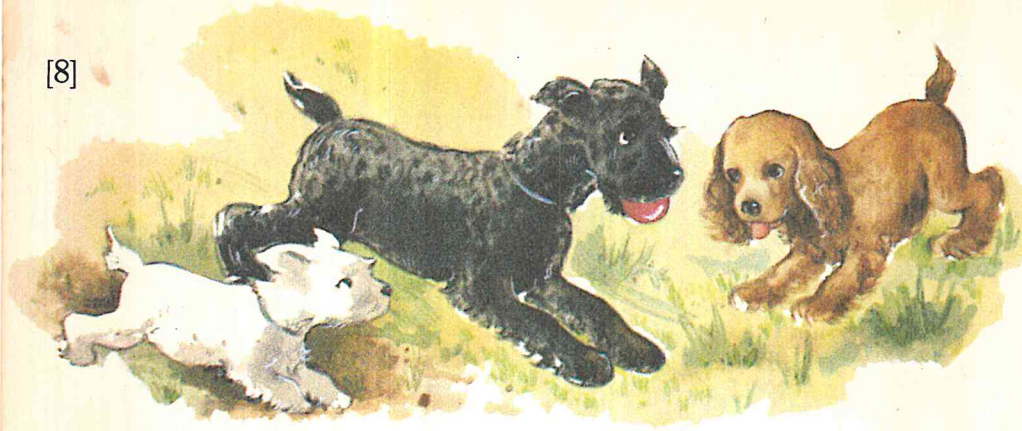
The 9 begins with o . The part that goes down ends below the line.

The 10 has two parts. Each part goes to the line. Make the parts close together.



Write the numbers from 1 to 10. 1 2 3 4 5 6 7 8 9 10

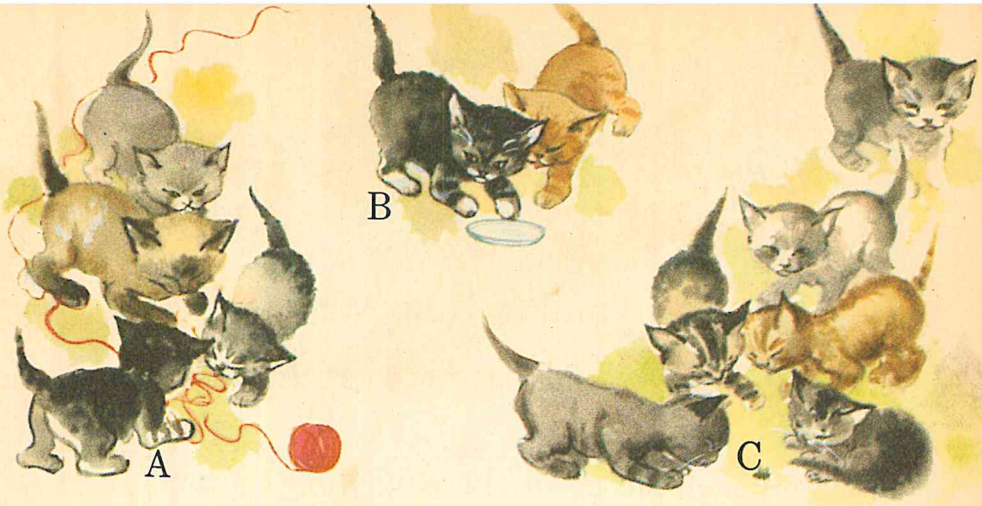
Look at the numbers you made. Find the two numbers that end below the line. Which numbers are they? 9 + 7



Large and Small

The dogs are playing with a ball. The largest dog has the ball. The two smaller dogs want it.

1. How many dogs are in the picture? 3
2. Which is the smallest dog? white
3. Which is the largest dog? black
4. Which is larger, the brown dog or the black dog? brown
5. Which is smaller, the white dog or the brown dog? white
6. Look at the picture below. Tell which is the largest kitten and which is the smallest. white black



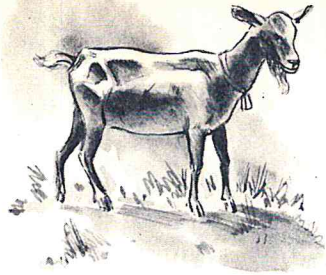
More and Most

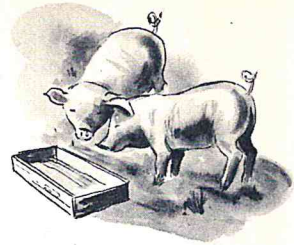
1. There are more kittens in group A than there are in group B. Count the kittens. Find how many there are in each of these groups. A= 4 B=2 C=6
2. Are there more kittens in group C than there are in group A? Count them. yes
3. Are there more kittens in group C than there are in group B? yes

Group C has the most kittens in it.

4. Which group below has the most balls in it? F
5. Which group has more balls in it, group D or group E? group D

D E F

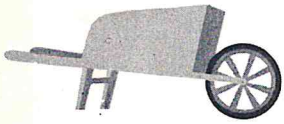




Finding How Many

1. How many animals are there in each picture above? 3 1 2
2. In which picture is there only one animal? 2nd
3. In which picture are there three animals? 1st
4. In which picture are there two animals? 3rd
5. Are there more pigs than goats? yes
6. Are there more kittens than pigs? yes

A



B

C

7. How many wheels are there in picture A, above? in picture B? in picture C? 1 2 3

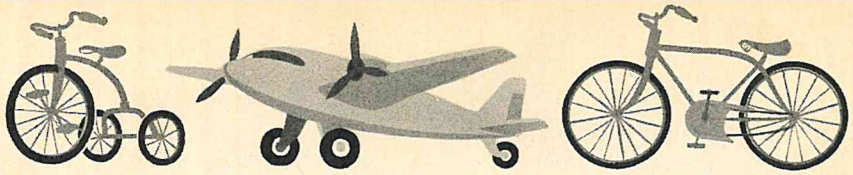
D

E

F

G

8. Tell how many wheels there are in each of these pictures: D; E; F; G. Did you have to count the wheels? 2 3 3 2 no



Things to Do

1. In which picture do you see 1 wheel in front and 1 behind? How many wheels are there? 3rd 2

2. In which picture do you see 2 wheels in front and 1 behind? How many wheels are there? 2nd 3

3. In which picture do you see 1 wheel in front and 2 behind? How many wheels are there? 1st 3

A B C

4. Tell how many dots there are at the top and how many at the bottom in picture A; in picture B; in picture C. 1-2 2-1 1-1

5. Make a picture with 2 balls in a row at the top and 1 ball at the bottom. How many balls did you make? 3 balls

6. Make a picture with 1 ball at the top and 2 balls in a row at the bottom. How many balls did you make? Write the number. 3 three

7. Make a picture with 1 ball at the top and 1 ball at the bottom. How many balls did you make? Write the number. 2 two

Finding Groups of Four and Five

1. Look at the pictures above. Tell how many animals there are in each group. 4 + 5

2. In which group above are there four animals? In which group are there five? donkeys, group 2
horses, group 1

3. Are there more donkeys than ponies? no

4. How many animals do you see in each group below? Write the number that tells how many animals there are in each group. #5 A | 4 B | 5 C

five A | four B | five C

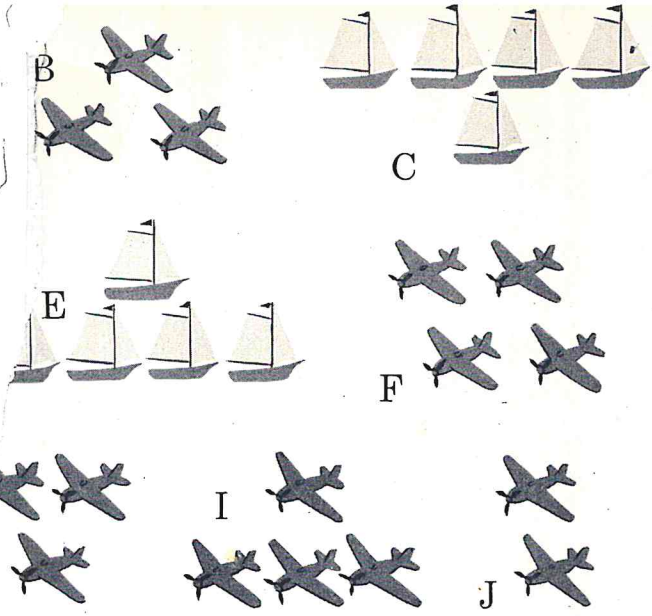
A B C

1. Find 1 donkey and 4 kitt
How many animals are there?
2. Find 2 boys and 2 girls in
many children are in the wagon
3. Find 2 boys and 3 girls in
many children are there in the p

A B

4. Find the group that has 3
top and 2 donkeys at the botto
donkeys are in the group? GROUP A = 5
5. Find the group that has 1 donkey at the top
and 4 donkeys at the bottom. How many donkeys
are in the group? GROUP B - 5
6. Find the group that has 3 donkeys at the top
and 1 donkey at the bottom. How many donkeys
are in the group? GROUP C = 4

Page 14 (Original)



ing Groups of Boats and Airplanes

. the group that has 2 airplanes at the top
at the bottom. How many are in the group? = 4

. ind the group that has 2 boats at the top
3 at the bottom. How many in the group? = 5

. ind the group that has 1 airplane at the top and 1 at the bottom. How many in the group? = 2

4. Find the group that has 4 boats at the top and 1 at the bottom. How many in the group? = 5

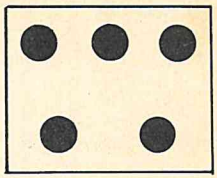
5. Find the group that has 2 airplanes at the top and 1 at the bottom. How many in the group? = 3

6. Find the group that has 1 airplane at the top and 3 at the bottom. How many in the group? = 4

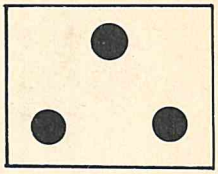
J C group
H group
I

Making Pictures of Groups

1. Look at this group of dots. There are 3 dots above and 2 below. How many dots are there in the group? 5



2. In this picture, how many dots are there above? How many below? How many dots are there in the group? 1 - 2 - 3



3. Make a picture with 2 dots above and 1 dot below. How many are there in the group? = 3

4. Make a picture with 3 dots above and 1 dot below. How many are there in the group? = 4

5. Make a picture with 1 dot above and 3 dots below. How many are there in the group? = 4

6. Make a picture with 3 dots above and 2 dots below. How many are there in the group? = 5

7. Make a picture with 2 dots above and 3 dots below. How many are there in the group? = 5

8. Make a picture with 2 dots above and 2 dots below. How many are there in the group? = 4

9. Make a picture with 4 dots above and 1 dot below. How many are there in the group? = 5

10. Make a picture with 1 dot above and 4 dots below. How many are there in the group? = 5

A

B

C

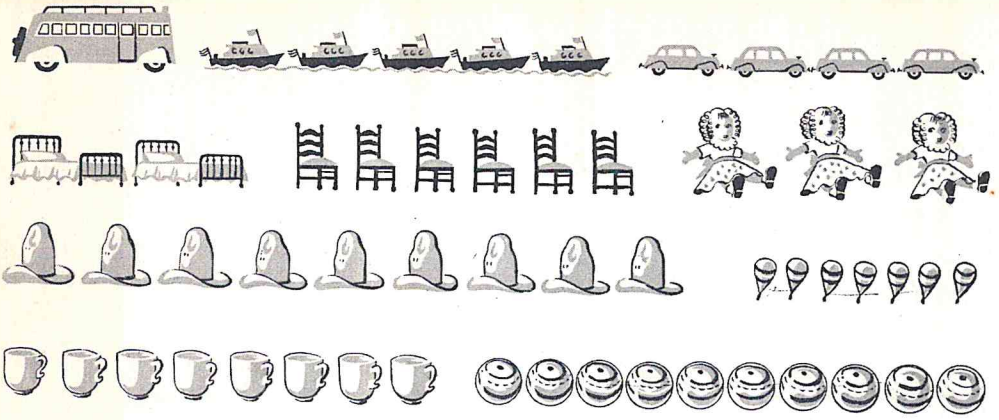
Large and Small Groups

1. In the pictures above, which is the largest group of dogs? A
2. Which is the smallest group of dogs? B
3. How many dogs are in group A? in group B? in group C? 5, 2, 3
4. Is the group of dogs in picture A larger than the group in picture B? YES
5. Is the group in picture B smaller than the group in picture C? YES
6. Is the group in picture C larger than the group in picture A? NO
7. Which is smaller, the group in picture A, or the group in picture B? B

The Children's Parade

The children are having a parade. Their pets are in the parade, too.

1. How many dogs are pulling a wagon? 2
2. How many goats are pulling a wagon? 1
3. Is the number of dogs the same as the number of goats? NO
4. How many girls are in the parade? 3
5. How many boys are in the parade? 3
6. Is the number of girls the same as the number of boys? YES
7. How many children are in the parade? 6
8. How many rabbits are in the parade? 2
9. How many kittens are in the parade? 1
10. How many pets are in the parade? 6
11. Is the number of children the same as the number of pets? YES



Writing Answers

1. How many buses are there in the picture? 1

When we write the answer, we write the number 1. It means that there is just one bus in the picture. Write the number 1. 1

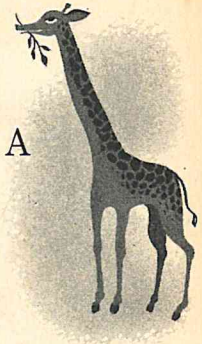
Look at the picture and write the numbers that tell the answers.

2. How many boats are there? 5
3. How many cars are there? 4
4. How many beds are there? 2
5. How many chairs are there? 6
6. How many dolls are there? 3
7. How many hats are there? 9
8. How many cups are there? 8
9. How many balls are there? 10
10. How many tops are there? 7

Making Sure You Know

1. Find the picture above the clowns. What animal is in this picture? GIRAFFE
2. Find the picture below the clowns. What animals are in this picture? DOGS
3. Which picture has only one animal? Is one animal a group? ~~DOGS~~ A — NO
4. How many pictures on this page show groups of things? 3
5. Is the group of dogs larger or smaller than the group of monkeys? SMALLER
6. Is the group of clowns larger or smaller than the group of monkeys? SMALLER
7. Which is the largest group of all? D
8. Make a picture of two airplanes.
9. Make a picture of five boats.
10. Make a picture of three tops.
11. Make a picture of one car.
12. Make a picture of four dishes.
13. Make a picture of six wagons.
14. Make a picture of eight chairs.
15. Make a picture of ten balls.
16. Make a picture of nine hats.
17. Make a picture of seven beds.

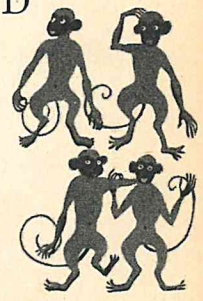
A



B

C

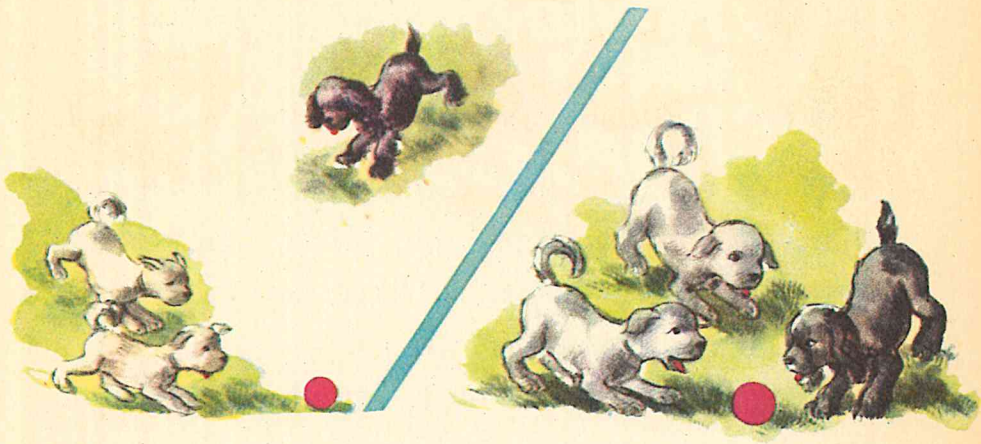
D



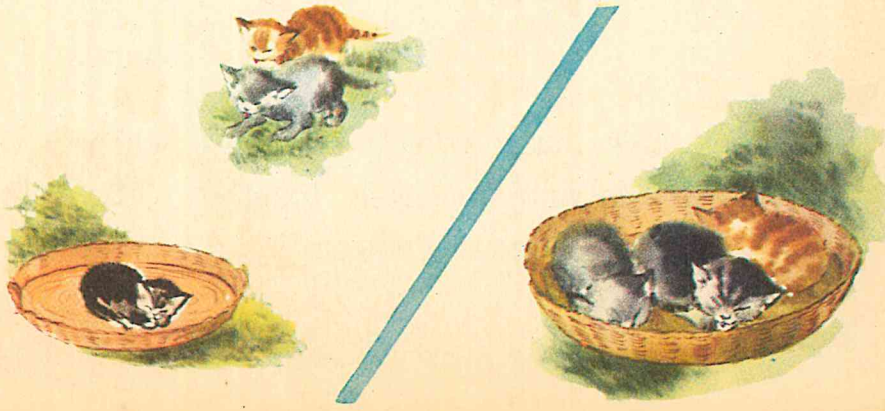
Playing with Pets

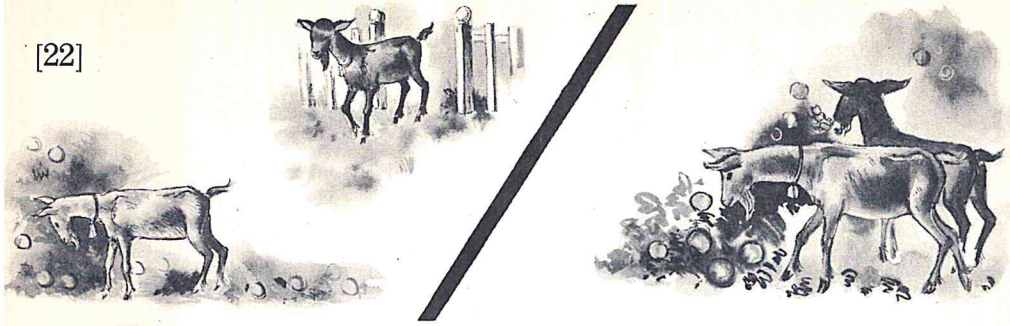
1. Look at the pictures below. Two girls were playing with some puppies. Two more girls came to play. How many girls were playing then? 4
Think, how many are 2 girls and 2 girls together? 4

2. Look at the pictures below. Two puppies were playing with a ball. One more puppy ran after the ball. Then how many puppies were playing with the ball? 3 Think, how many are 2 puppies and 1 puppy together? 3



3. Look at the pictures below. One kitten was sleeping in a basket. Two more kittens climbed into the basket. How many kittens were in the basket then? 3 Think, how many are 1 kitten and 2 kittens together? 3



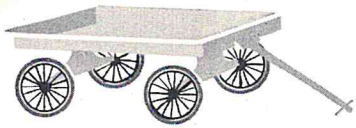


Putting Things Together

1. Bob's goat got into the garden. Dick's goat went into the garden, too. How many goats were in the garden then? 2 Think, how many are 1 goat and 1 goat together? 2

2. David put 2 wheels on the front of the wagon he was making. He put 2 more wheels on the back. How many wheels did he put on the wagon? 4

and are how many wheels? 4



2

2

4 ? wheels

Think how many wheels there are when you put 2 wheels and 2 wheels together. Say, "2 wheels and 2 wheels are 4 wheels."

3. Dick put 2 wheels on the front of the new airplane he was making. He put 1 wheel on the back. How many wheels did he put on the airplane in all? 3

and are how many wheels? 3

Think how many wheels there are when you put 2 wheels and 1 wheel together. Say the answer.

2
1
3? wheels

4. How many boats in this group? 2
How many boats in this group? 2
How many boats are there when you put the small groups together? 4

2
2
4? boats

5. Make new groups by putting together the things in each picture below. How many are there when you put together 1 top and 2 tops? 3 2 cars and 1 car? 3 2 balls and 2 balls? 4 1 bus and 1 bus? 2

A

1
2
3? tops

B

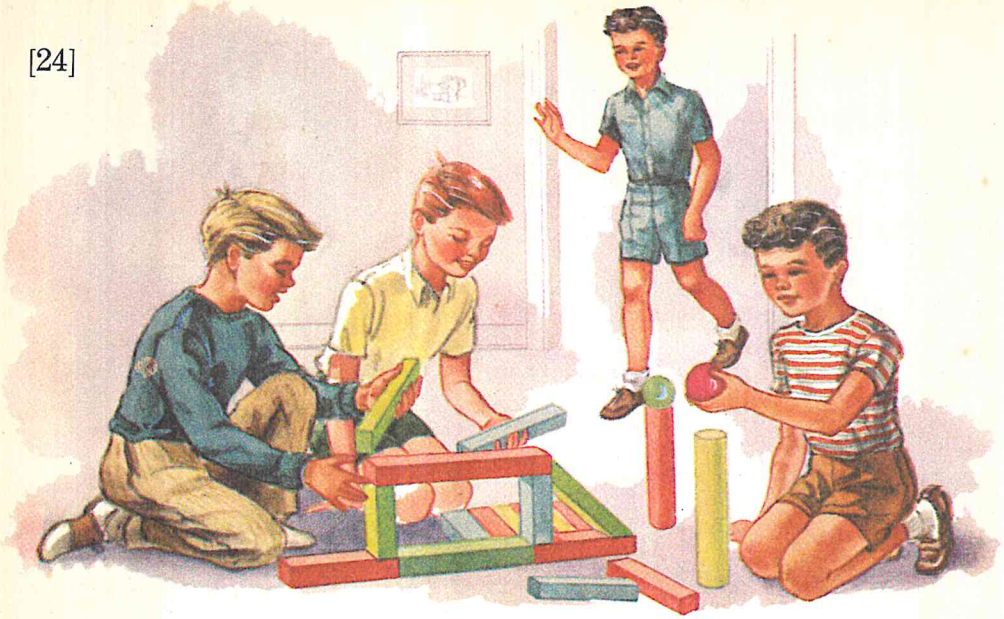
2
1
3? cars

C

2
2
4? balls

D

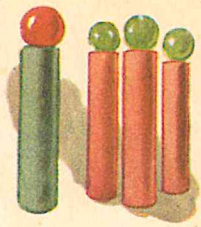
1
1
2? buses



Building a Bridge

1. Look at the pictures below. Three boys were building a bridge. One more boy came to help them. How many boys were building the bridge then? 4 How many are 3 boys and 1 boy together? 4

2. The boys made lights for the bridge. They made 1 red light and 3 green lights. How many lights did they make in all? 4 How many are 1 light and 3 lights together? 4



Making Groups of Toys

1. Make new groups by putting together the things in each picture below. Tell how many there are in each group you make by putting things together.

A. 2 + 1 = 3? blocks

B. 1 + 2 = 3? blocks

C. 1 + 1 = 2? boats

D. 2 + 2 = 4? cars

E. 3 + 1 = 4? balls

F. 1 + 3 = 4? balls

2. Look at pictures A and B. How many are 2 blocks and 1 block? 3 How many are 1 block and 2 blocks? 3 When you put 2 blocks and 1 block together, you have 3 blocks. When you put 1 block and 2 blocks together, you have 3 blocks. The answers are the same.

3. Are the answers the same for E and F? YES

Making More Groups

Look at the numbers and the words below. Then look at the picture. When we see these numbers and words, we think of the picture.

2 apples	2
2 apples	2
4? apples	4? apples

We think, 2 and 2 are how many apples? 4 We put 2 apples and 2 apples together. We think, We say, "4 apples."

When you put together things that are alike and find how many there are, you are adding.

Look at the numbers and words below and add. Look at the top number first. Then add the bottom number to it. Tell how many there are when you think the numbers together.

Read A, "3 dolls and 1 doll." Say "4 dolls."

A. 3 dolls
1 doll
4? dolls

B. 2 beds
2 beds
4? beds

C. 1 hat
2 hats
3? hats

D. 1 duck
1 duck
2? ducks

E. 2 goats
1 goat
3? goats

F. 1 light
3 lights
4 ? lights

More about Adding

Here are some number stories. Each story tells you something and asks a question. Read each story and think what it tells. Then add to find the answer to the question. When you know the answer, write the number that tells the answer.

1. Three birds were in a nest. One more bird got into the nest. How many birds were in the nest then? 4

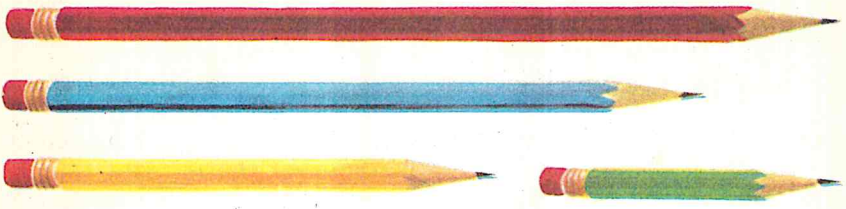
2. One horse was eating grass. One more horse came to eat. Then how many horses were eating together? 2

3. One day 2 ponies were pulling a wagon. Bob brought 2 more ponies to help pull. How many ponies were pulling the wagon then? 4

4. Sally was playing with 1 doll. Ann came with 2 dolls. Then how many dolls did the girls have to play with? 3

5. The girls had 2 beds for the dolls. Sally got a box and made 1 more bed. Then how many beds did they have for the dolls? 3

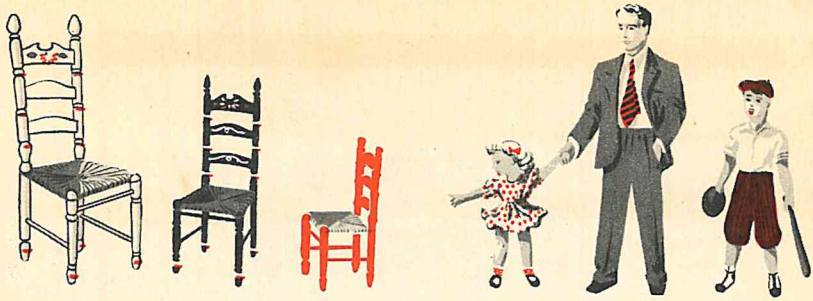
6. David had 1 pet rabbit. Dick brought 3 more rabbits. How many rabbits did they have in all? 4



Long and Short

Look at the picture above. Answer these questions about the pencils:

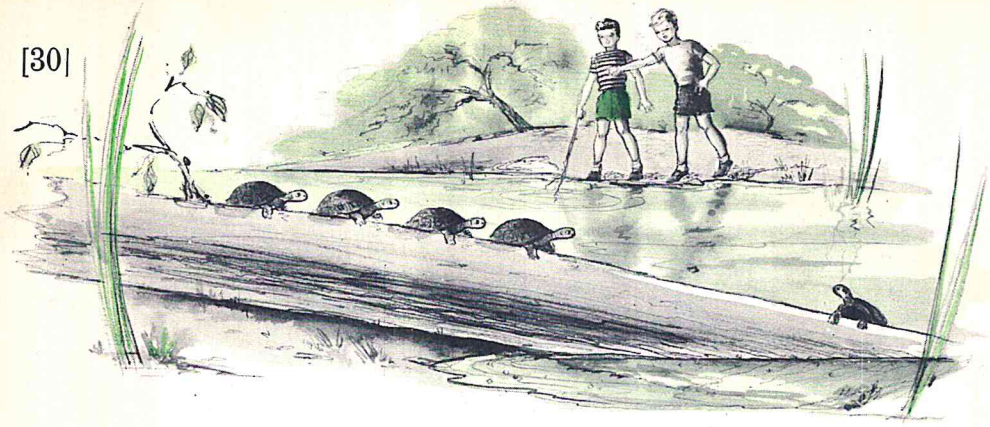
1. Is the blue pencil as long as the red one? NO
2. Is the green pencil as long as the blue one? NO
3. Is the yellow pencil as short as the green one? NO
4. Which pencil is longer than the blue one? RED
5. Which pencil is shorter than the yellow one? GREEN
6. Which is longer, the yellow pencil or the green one? YELLOW
7. Which is shorter, the red pencil or the blue one? BLUE
8. Which pencil is longest? RED Which is shortest? GREEN
9. Which pencil is longest, the yellow one, the blue one, or the green one? BLUE
10. Which pencil is shortest, the yellow one, the green one, or the blue one? GREEN
11. Which is shorter, a new pencil or a crayon? CRAYON



Low and High — Tall and Short

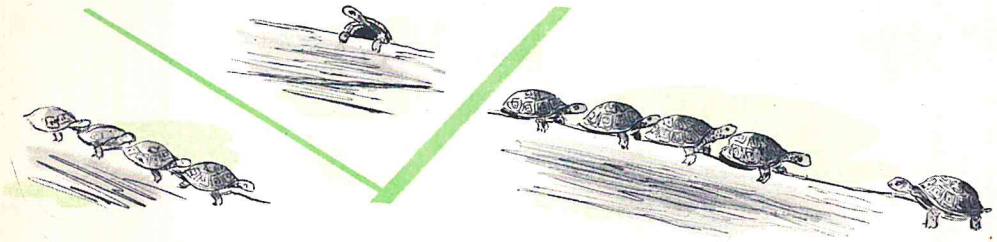
Answer these questions about the pictures:

1. Is the black chair as high as the white chair? NO
2. Is the black chair as low as the red one? NO
3. Which is higher, the white chair or the black chair? ~~BLACK~~ WHITE
4. Which is lower, the black chair or the red chair? RED
5. Which is the lowest chair? RED the highest? WHITE
6. Is the girl as tall as the boy? NO
7. Is the man as short as the boy? NO
8. Who is taller, the man or the boy? MAN
9. Who is shorter, the girl or the man? GIRL
10. Who is tallest, the girl, the boy, or the man? MAN
11. Who is shortest, the girl, the boy, or the man? GIRL
12. Which is the man's chair? the boy's chair? the girl's chair? WHITE, BLACK, RED

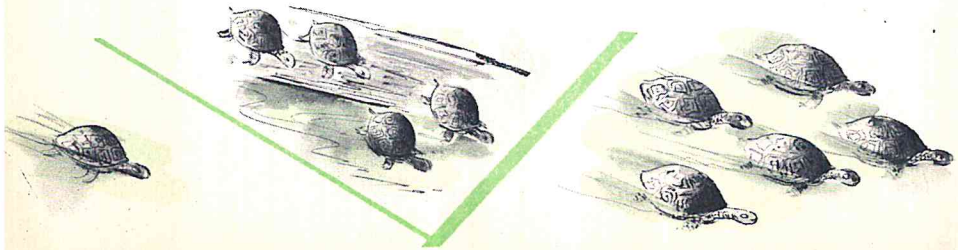


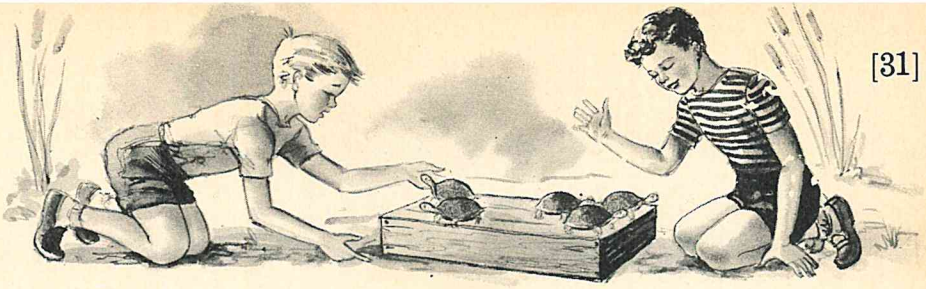
The Turtles

1. Look at the picture below. Four turtles were on a log in the sun. One more turtle climbed on the log. How many turtles were on the log then? 5
How many are 4 turtles and 1 turtle? 5



2. Look at the pictures below. One turtle went for a swim. Soon 4 more turtles went into the water. How many turtles were in the water then? 5
How many are 1 turtle and 4 turtles? 5





3. Ted caught 3 turtles. Bob caught 2 turtles. How many did the boys catch in all? 5

3
2
5? turtles

4. Look at the big picture above. Bob put 2 turtles on a box. Ted put 3 turtles on the box. How many turtles were on the box then? 5

2 turtles
3 turtles
5? turtles

5. Look at the numbers and words below and add. Look at the top number first. Add the bottom number to it. Tell how many there are.

A. 1 block
1 block
2? blocks

B. 3 girls
1 girl
4? girls

C. 2 ponies
3 ponies
5? ponies

D. 3 boys
2 boys
5? boys

E. 1 doll
4 dolls
5? dolls

F. 2 turtles
1 turtle
3? turtles

G. 4 apples
1 apple
5? apples

H. 1 duck
2 ducks
3? ducks

I. 1 goat
3 goats
4? goats

Playing with Toys

The boys and girls took toys to school one day. All of the children played with the toys. Read each story below. Think what it tells. Find the answer to the question. Then write the number that tells the answer.

1. Dick was playing with 1 wagon. James came with 1 more wagon. How many wagons did the boys have to play with? 2

2. Ted played with 2 blue cars and 3 red cars. How many cars did he play with? 5

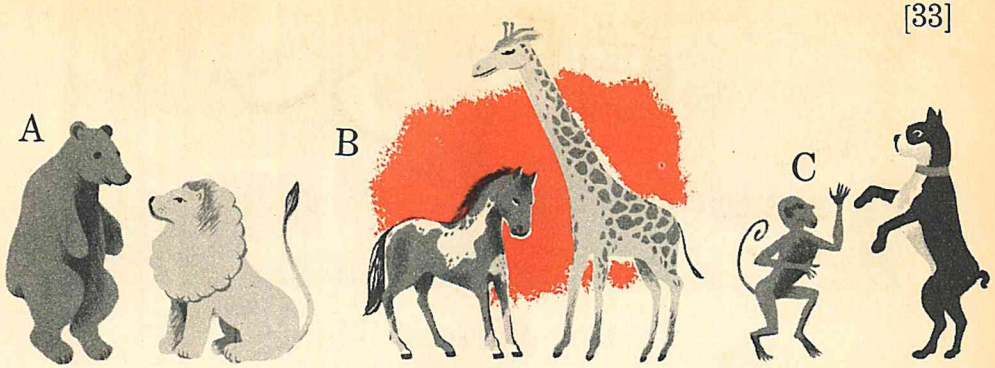
3. David built a table with blocks. He used 4 blocks for the legs and 1 block for the top. How many blocks did he use in all? 5

4. The girls played with dolls. Ann had 3 dolls and Jane had 2. How many dolls did they have in all? 5

5. Grace made a house for the dolls. She made it with 2 large boxes and 2 small boxes. How many boxes did she use for the house? 4

6. Sally made 1 small chair and 4 large ones for the dolls. How many chairs did she make? 5

7. Bob brought 1 large airplane and 3 small airplanes to school. How many airplanes did he bring in all? 4



Left and Right

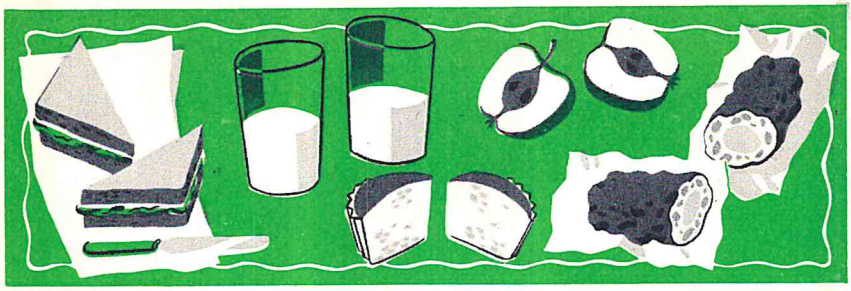
The picture of the bear and the lion is on the left side of the page. The picture of the dog and the monkey is on the right side of the page.

1. In picture A, the bear is on the left. What animal is on the right in picture A? LION
2. In picture B, which animal is on the right? GIRAFFE
3. Which animal is on the left in picture B? HORSE
4. In picture C, which animal is on the right? DOG
5. Which animal is on the left in picture C? MONKEY
6. Look at each picture below. Tell which animal is on the left in the picture and which animal is on the right.

CAT + MOUSE
D

PIG + GOAT
E

SQUIRREL + RABBIT
F



Finding Parts of Things

1. One day Grace gave Ruth part of her lunch. She cut her apple into two parts that were just alike. Find the two parts of the apple. Is one part just as large as the other? YES

2. Grace gave Ruth part of her milk. Find the two glasses of milk. Is there as much milk in one glass as the other? YES

When one part of something is just as much as the other part, we call each part one-half. The two halves must be just alike.

3. Grace gave Ruth one-half of the apple. Did she give her one-half of the milk? Is each glass half full of milk? YES & YES

4. Find the two parts of the cake. Are the parts just alike? Did Grace give Ruth one-half of the cake? NO NO

5. Did Grace give Ruth one-half of the candy? YES

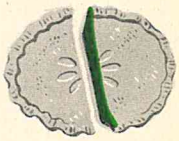
6. Find one more thing that is cut into halves.

SANDWICH

Finding One-Half

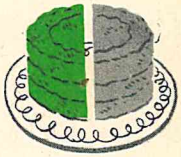
Before you can give away half of anything, you must have two parts. Each of the two parts must be just as large as the other.

1. Look at the picture of the apple. Is one part just as large as the other part? NO If you gave away one part, would it be one-half of the apple? NO



2. Is each part of the pie as large as the other? Is each part one-half of the pie? NO NO

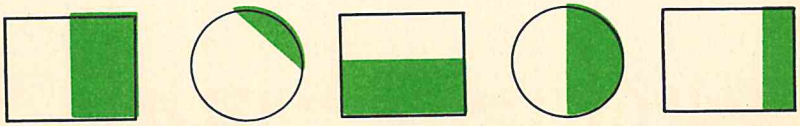
3. Is one-half of the candy stick green? YES

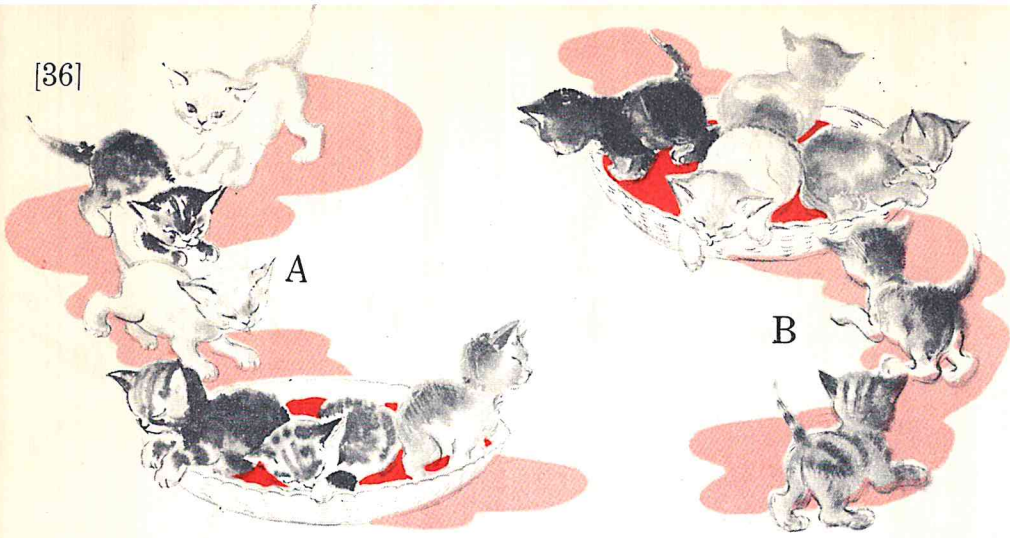


4. Is one-half of the cake green? YES

5. Look at the pictures below. Which pictures are half green and half white? A C D

A B C D E



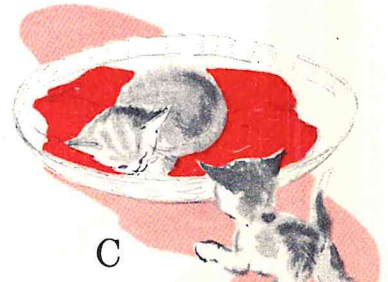


How Many Kittens in Each Group?

1. In picture A, how many kittens are in the basket? 3 How many are out of the basket? 3 How many kittens are there in picture A? 6

2. In picture B, how many kittens are in the basket? 4 How many are out of the basket? 2 How many kittens are there in picture B? 6

3. In picture C, how many kittens are in the basket? 1 How many are out of the basket? 5 How many kittens are there in picture C? 6



D

E

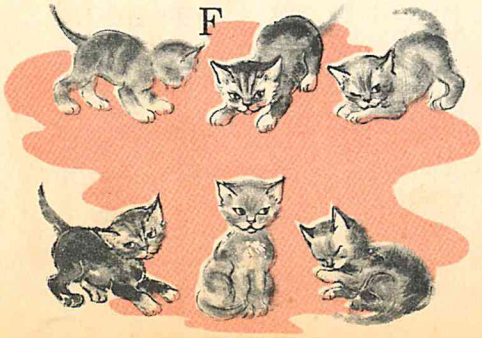
4. In picture D, how many kittens are in the basket? 2 How many are out of the basket? 4 How many kittens are there in picture D? 6

5. In picture E, how many kittens are in the basket? 5 How many are out of the basket? 1 How many kittens are there in picture E? 6

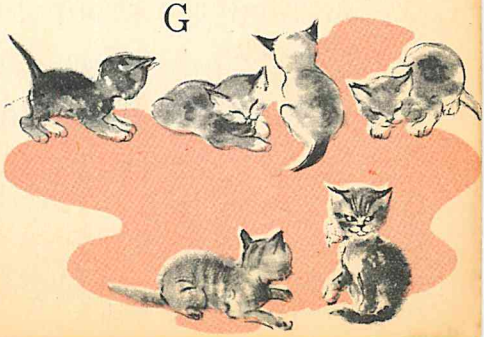
6. Find the picture below that has 4 kittens at the top and 2 kittens at the bottom. How many kittens are there in the picture? 6 G

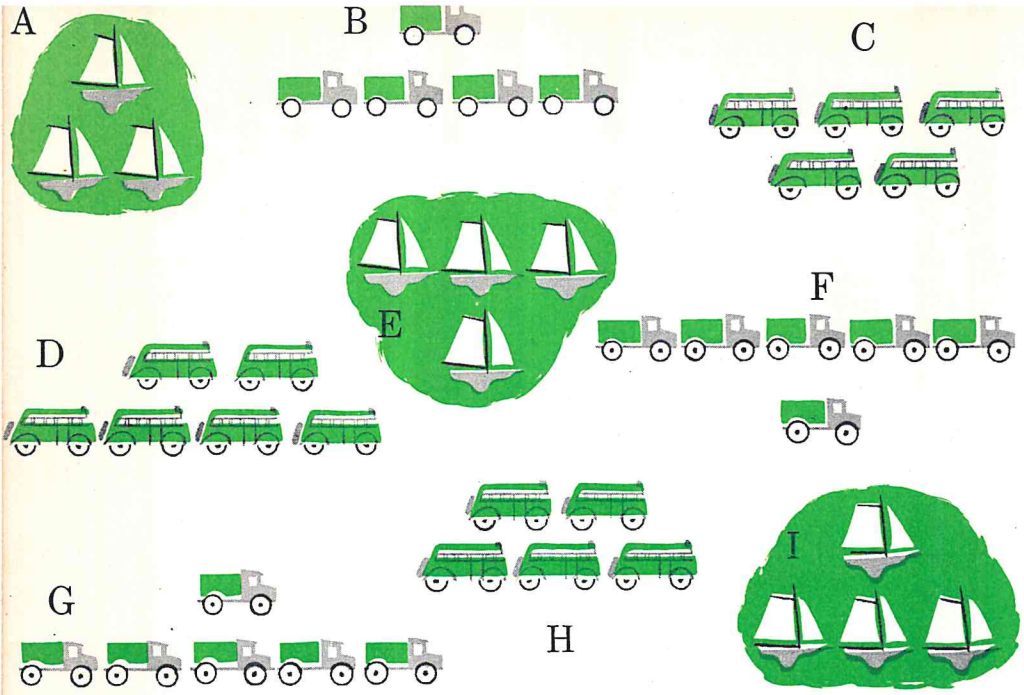
7. Find the picture below that has 3 kittens at the top and 3 kittens at the bottom. How many kittens are there in the picture? 6 F

F



G





Finding Groups of Toys

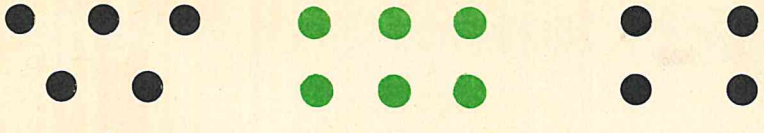
F 1. Find the group that has 5 trucks above and 1 below. How many trucks are in the group? 6

D 2. Find the group that has 2 buses above and 4 buses below. How many buses are in the group? 6

C 3. Find the group that has 3 buses above and 2 buses below. How many buses are in the group? 5

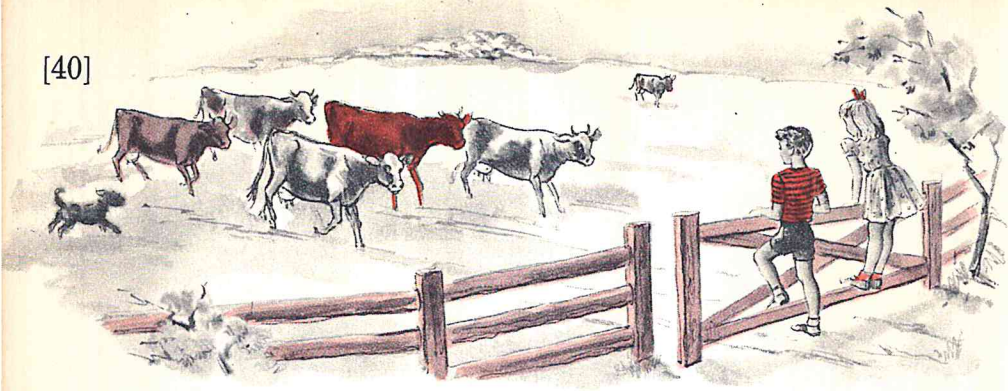
E 4. Find the group that has 3 boats above and 1 boat below. How many boats are in the group? 4

G 5. Find the group that has 1 truck above and 5 below. How many trucks are in the group? 6



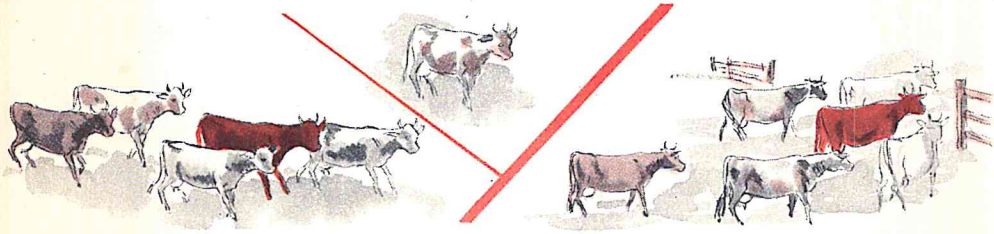
Finding How Many in a Group

1. How many dots are there in picture A? 5 How many are there in picture B? 6 Are there more in picture A or in picture B? picture B
2. How many dots are there in picture C? 4 Are there more in picture C or in picture B? picture B
3. Is the largest number of dots in picture A, in picture B, or in picture C? picture B
4. Is the smallest number of dots in picture A, in picture B, or in picture C? picture C.
5. Make a picture with 4 dots above and 2 dots below. How many dots did you make? = 6
6. Make a picture with 2 dots above and 4 dots below. How many dots did you make? = 6
7. Make a picture with 5 dots above and 1 dot below. How many dots did you make? = 6
8. Make a picture with 1 dot above and 5 dots below. How many dots did you make? = 6
9. Make a picture with 3 dots above and 3 dots below. How many dots did you make? = 6

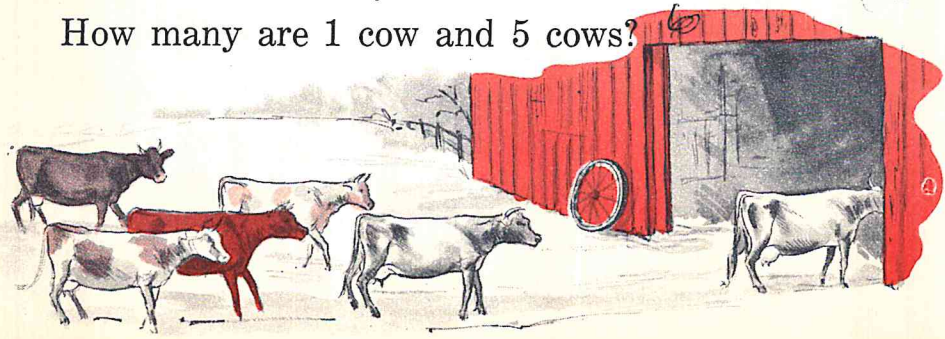


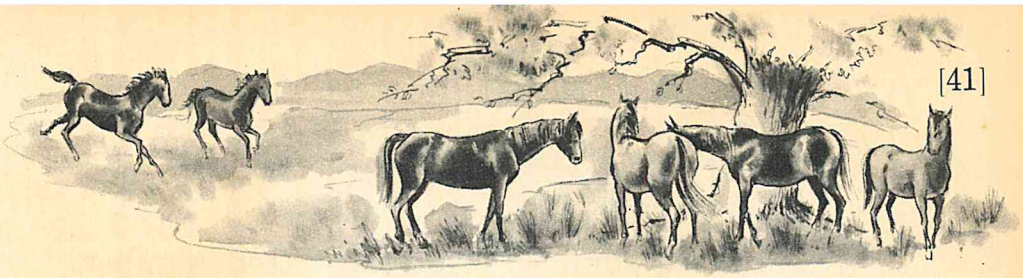
At the Farm

1. Jane and Ted went to the farm. They saw the dog bring 5 cows to the gate. Then he brought 1 more cow. Look at the pictures below. How many cows did the dog bring? 6 How many are 5 cows and 1 cow? 6

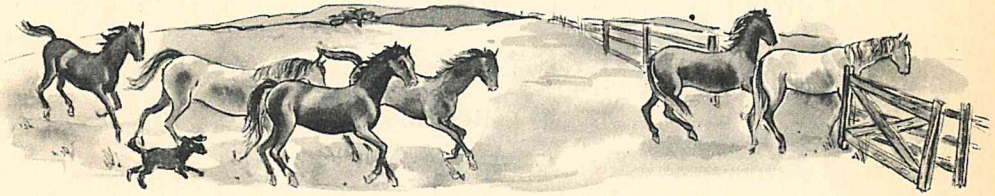


2. Ted opened the barn door and 1 cow went in. Then 5 more cows went in. Look at the picture below. How many cows went into the barn? 6 How many are 1 cow and 5 cows? 6



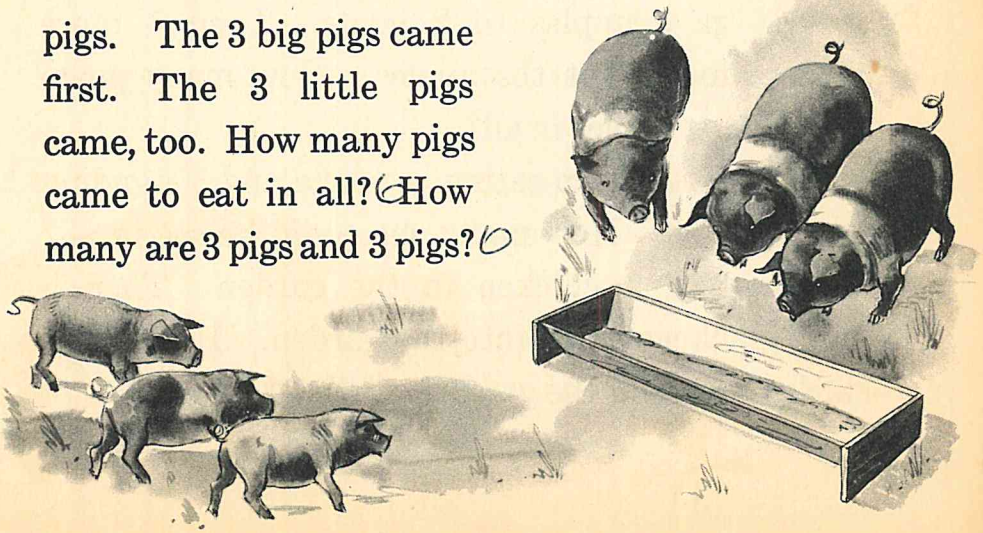


3. Look at the picture above. Ted and Jane saw 4 horses under a tree. Two more horses ran under the tree. How many were under the tree then? 6 How many are 4 horses and 2 horses? 6



4. The dog ran after the horses. Two of them ran out of the field. Then 4 more horses ran out. How many horses ran out of the field in all? 6 How many are 2 horses and 4 horses? 6

5. Jane went to feed the pigs. The 3 big pigs came first. The 3 little pigs came, too. How many pigs came to eat in all? 6 How many are 3 pigs and 3 pigs? 6



More about the Farm

Tell how many there are when you put together the things that are alike.

1. Read the top number. Add the bottom number to it. Tell how many things there are in all.

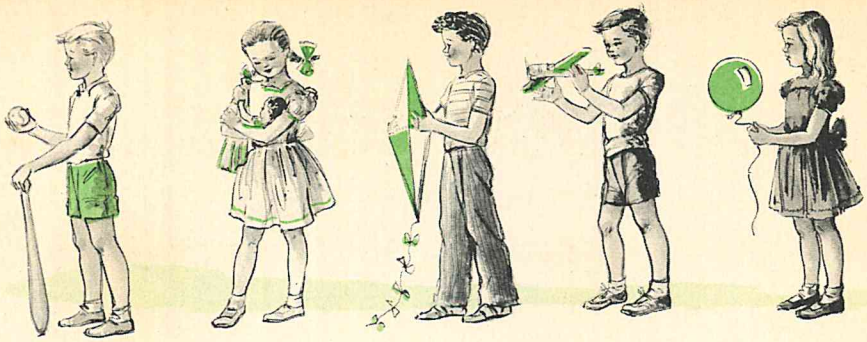
A. 2 sheep	B. 4 birds	C. 5 frogs
4 sheep	1 bird	1 frog
6 sheep	5 birds	6 frogs
D. 3 horses	E. 3 chickens	F. 2 pigs
2 horses	3 chickens	3 pigs
5 horses	6 chickens	5 pigs
G. 1 goat	H. 1 cow	I. 4 ducks
5 goats	4 cows	2 ducks
6 goats	5 cows	6 ducks

Read each story and answer the question.

2. Ted gave apples to 2 goats. Then 4 more goats came to eat the apples. How many goats were eating apples in all? 6

3. Ted saw 3 sheep eating in a field and 3 standing under a tree. How many sheep did he see in all? 6

4. Jane saw 1 chicken in the garden. Then 5 more chickens came into the garden. How many chickens were in the garden together? 6



First and Last

The children are going to play with their toys. Look at the picture and answer these questions:

1. The boy on the left is the first child in the row. What is he going to play with? baseball + bat
2. A girl is next in the row. What toy does she have? doll
3. What child is last in the row? GIRL What toy does the last child have? balloon
4. What child is just before the last child in the row? BOY What toy does this child have? AIRPLANE

Look at the row of toy animals below. Answer these questions:

5. Which animal is first in the row? TIGER
6. Which is the last animal in the row? BEAR
7. Which animal comes just before the lion? MONKEY
8. Which animal comes next after the lion? MOUSE

Watching the Monkeys

1. Which monkey is at the left in the picture? LARGER
2. Which monkey is at the right? SMALLER
3. Is the monkey at the right larger or smaller than the monkey at the left? SMALLER
4. Which is the smallest monkey? RIGHT the largest? LEFT
5. Which monkey climbed highest in the tree? top MONKEY
6. Which monkey in the tree is lowest? RIGHT
7. Are there more monkeys on the ground, or more in the tree? IN THE TREE

At the Toy Store

Read each story and answer the question.

1. Jane went to the toy store. She saw 4 large dolls and 2 small dolls. How many dolls did she see? 6

2. She saw 5 chairs for a doll house, and 1 table. How many things for the doll house did she see? 6

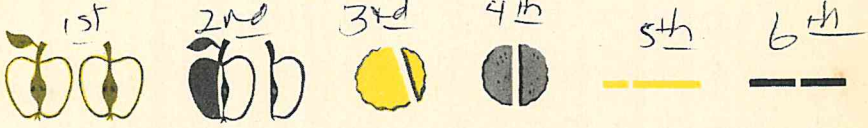
3. Jane saw a train with 2 small cars and 3 large cars. How many cars were in the train? 5

4. There were 3 red balls and 3 blue balls in a box. How many balls were in the box? 6

5. Jane found 2 tops on a table and 4 tops in a box. How many tops did Jane find? 6

Parts of Things

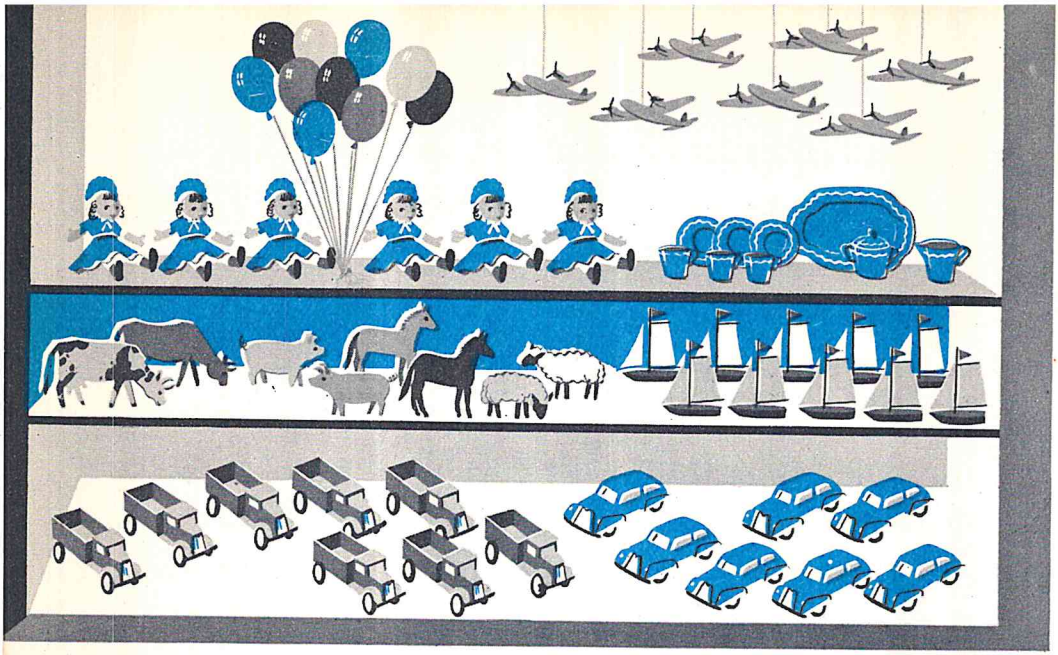
The things in these pictures are cut into parts. Some parts are halves. Some are not.



1. In which picture of an apple are the pieces just alike? Which apple is cut into halves? 1st 1st

2. Which cookie is cut into halves? 4th

3. Which line is cut into halves, the line at the left or the line at the right? RIGHT



Counting Toys

The boys and girls saw many toys in the store window. Count to find how many they saw. Write the numbers that tell.

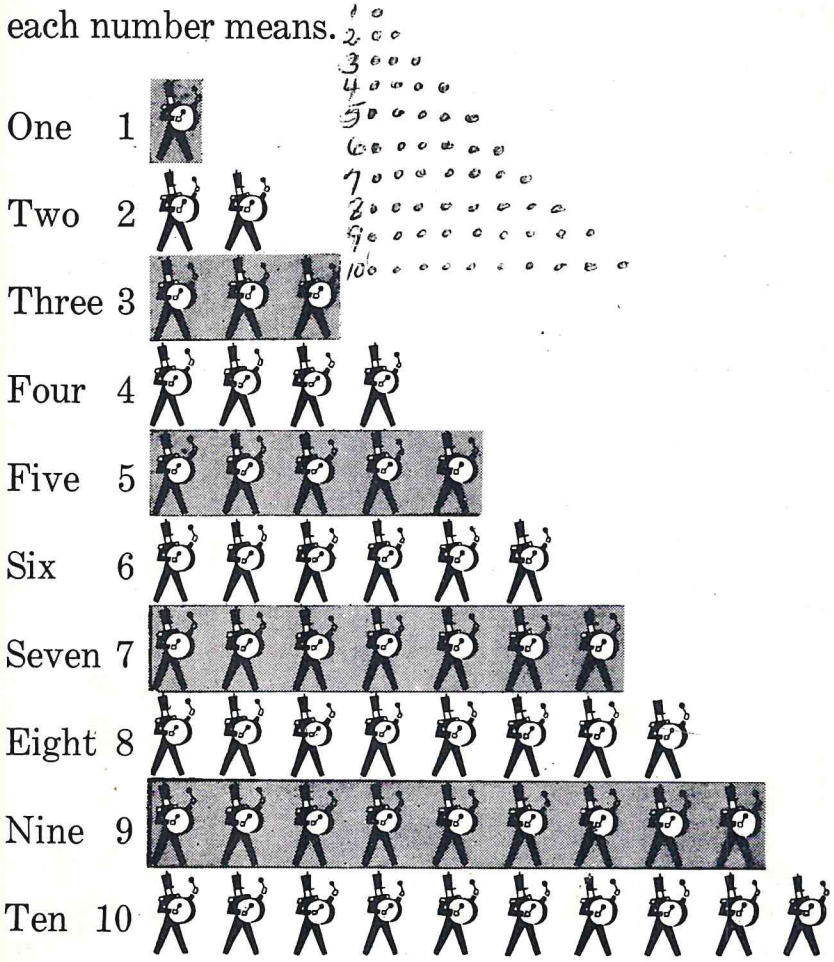
1. Count all of the dolls in the picture. 6
2. How many cars are there in the picture? 7
3. How many trucks are there in the picture? 8
4. How many balloons are there? 10
5. How many airplanes are there? 7
6. How many dishes are there in all? 9
7. How many farm animals are there? 8
8. How many boats are there? 10

Add the things that are alike. Look at the top number. Add the bottom number to it. Tell how many there are when you think the numbers together. Make dot pictures to help you if you cannot think of the answers.

1.	A. 3 boxes 1 box 4? boxes	B. 1 chicken 4 chickens 5? chickens	C. 2 frogs 3 frogs 5? frogs
2.	A. 1 paper 5 papers 6? papers	B. 3 apples 2 apples 5? apples	C. 4 dolls 1 doll 5? dolls
3.	A. 2 cakes 2 cakes 4? cakes	B. 5 hats 1 hat 6? hats	C. 1 hen 1 hen 2? hens
4.	A. 1 dress 3 dresses 4? dresses	B. 2 books 4 books 6? books	C. 1 game 2 games 3? games
5.	A. 3 buses 3 buses 6? buses	B. 2 pencils 1 pencil 3? pencils	C. 4 shoes 2 shoes 6? shoes

Reading and Writing Numbers

The pictures below show what each number means. Read the number word and the number in each row. Then count the toys to find what each number means.



Write the numbers from 1 to 10. Put dots after the numbers to show what the numbers mean.

Reading Numbers

The teacher will help you read the numbers below. The pictures of toys show what the numbers mean. The first picture shows eleven toys. The next picture shows twelve toys. Find how many toys are in the two pictures after each number.

11 means and 10 + 1

12 means and 10 + 2

13 means and 10 + 3

14 means and 10 + 4

15 means and 10 + 5

16 means and 10 + 6

17 means and 10 + 7

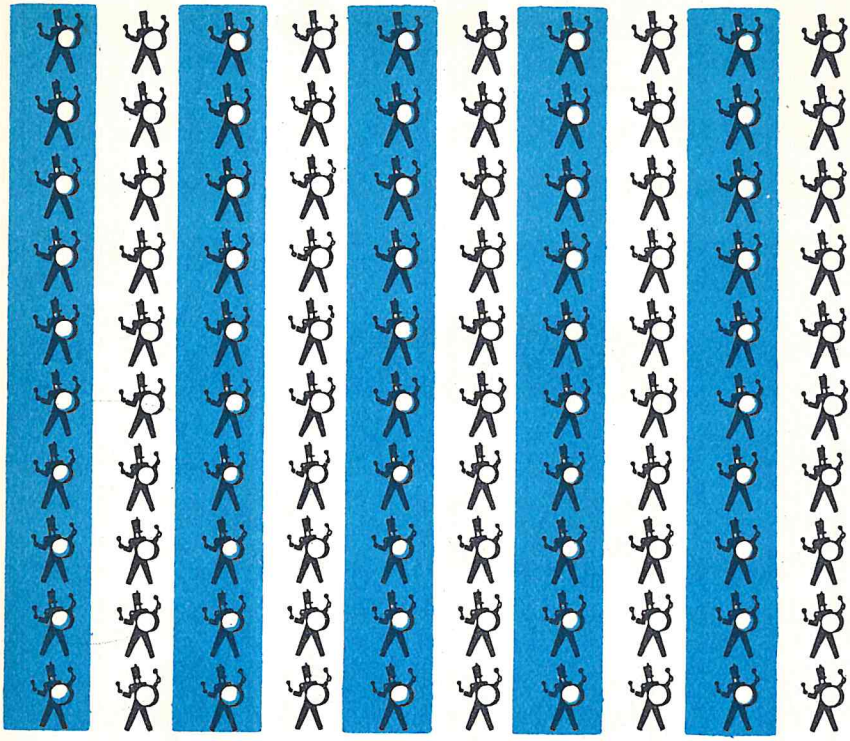
18 means and 10 + 8

19 means and 10 + 9

20 means and 10 + 10

So 20 means 2 tens.

A B C D E F G H I J



Tens and Tens of Toys

1. The toys are in straight lines. Count the toys in the line under A. Is the number of toys under each letter the same? YES

2. How many lines of toys are there? 10

3. Count all of the toys in lines A and B together. What was the last number you said? 20 How many toys are there in the two lines together? 20

4. Look at the picture of toys on page 50. Count the toys in lines A, B, and C together. What was the last number you said? 30 How many toys are there in the three lines? 30

5. You counted 30 toys when you counted the first three lines. Begin with 31 and count the toys in line D. What was the last number you said? 40 How many toys are there in the four lines? 40

6. You counted 40 toys when you counted the first four lines. Begin with 41 and count the toys in lines E to J together. Then answer these questions:

How many toys are there in all ten of the lines together? 100

What was the last number you said when you counted the toys in line E? 50 in line F? 60 in line G? 70 in line H? 80 in line I? 90 in line J? 100

How many toys are there in the first five lines together? 50 in the first six lines? 60 in the first seven lines? 70 in the first eight lines? 80 in the first nine lines? 90

7. Count the toys by tens. Say "10, 20, 30" for lines A, B, and C. What should you say for line D? 40 What should you say for lines E, 50 F, G, H, I, and J?

60 70 40 90 100

More about Numbers

1	11	21	31	41	51	61	71	81	91
2	12	22	32	42	52	62	72	82	92
3	13	23	33	43	53	63	73	83	93
4	14	24	34	44	54	64	74	84	94
5	15	25	35	45	55	65	75	85	95
6	16	26	36	46	56	66	76	86	96
7	17	27	37	47	57	67	77	87	97
8	18	28	38	48	58	68	78	88	98
9	19	29	39	49	59	69	79	89	99
10	20	30	40	50	60	70	80	90	100

You used all of the numbers above when you counted the toys on page 50.

1. Read the numbers from 1 to 30. Write them.
2. Read the numbers from 31 to 50. Write them.
3. Read the numbers from 51 to 80. Write them.
4. Read the numbers from 81 to 100. Write them.
5. Find the number 10. It ends with zero. Read the other numbers that end with zero.
6. Find the number 1. Read the numbers from left to right in that row. Those numbers all end with 1.
7. Find the number 5. Read the numbers from left to right in that row. Those numbers all end with 5.

8. Look at the numbers on page 52 again. Find 60. Read the numbers from 60 to 69. In each of these numbers, there is a 6 on the left. Tell what is used with 6 to write these numbers:

60 61 62 63 64 65 66 67 68 69
0 1 2 3 4 5 6 7 8 9

9. Tell what is used with 7 to write these numbers:

70 71 72 73 74 75 76 77 78 79
0 1 2 3 4 5 6 7 8 9

10. Read the numbers from 80 to 89. What is used with 8 to write these numbers? 0 1 2 3 4 5 6 7 8 9

11. Read the numbers from 90 to 99. What is used with 9 to write these numbers? 0 1 2 3 4 5 6 7 8 9

12. We use 1 and two zeros to write the number one hundred. Write it. 100

You see that we use 1, 2, 3, 4, 5, 6, 7, 8, 9, and 0 to write all of the numbers on page 52.

13. Find 27. The number 26 comes just before 27. What number comes just after 27? 28

14. Find 35. What number comes just before 35? What number comes just after 35? 34 36

15. Find 51. What number comes just before 51? What number comes just after 51? 50 52

16. Find 99. What number comes just before 99? What number comes just after 99? 98 100

Counting Money

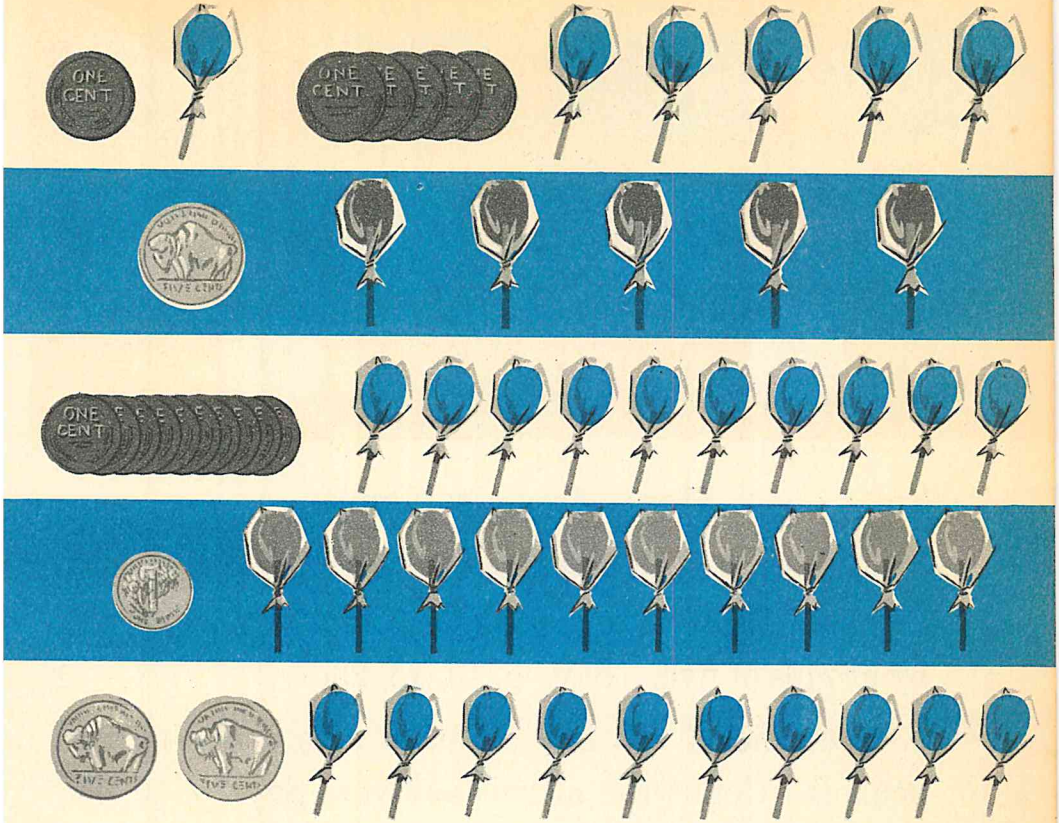
1. The pieces of money in picture A are pennies. One penny means one cent. Find these words in picture A: one cent.
2. How many pennies are there in picture A? 5
3. The piece of money in picture B will buy as much as 5 pennies. What is another name for the piece of money in picture B? NICKEL
4. How many cents are there in picture C? 10 ¢
5. The piece of money in picture D will buy as much as the 10 cents in picture C. What is another name for the piece of money in picture D? DIME
6. Can you buy as much with a dime as you can with 10 pennies? YES

A

B (FIVE CENTS)

C

D (TEN CENTS)



7. One penny will buy one piece of candy. How many pieces of candy will 5 pennies buy? 5

8. How many pieces of candy will 1 nickel buy? 5

9. How many pieces of candy will 10 pennies buy? 10

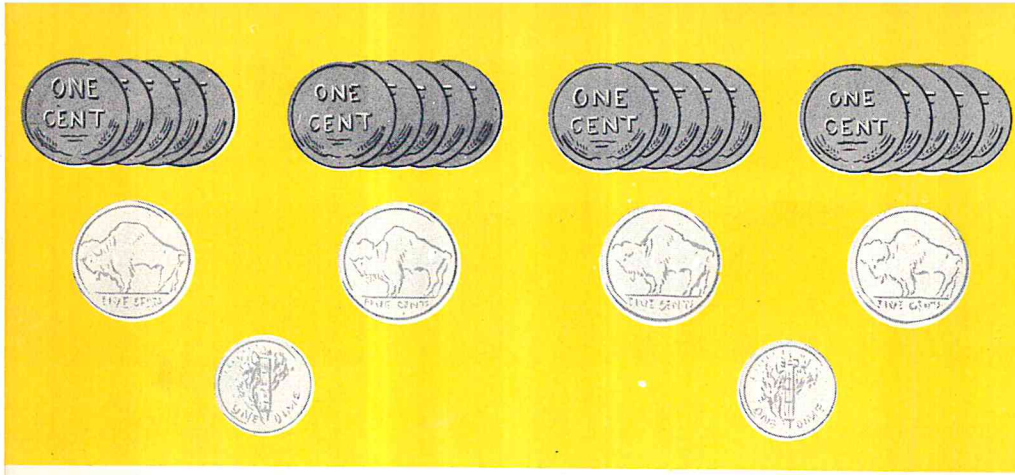
10. How many pieces of candy will 1 dime buy? 10

11. How many pieces of candy will 2 nickels buy? 10

12. How many pennies will buy as much as 1 nickel? 5

13. How many pennies will buy as much as 1 dime? 10

14. How many nickels will buy as much as 1 dime? 2



More Money to Count

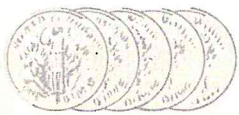
1. Count all of the pennies in the top row. How many are there in each group? 5 Count the pennies by groups of five. Say "5, 10, 15, 20."

2. Each nickel will buy as much as a group of 5 pennies. Count the nickels as fives. Say "5, 10," and so on.

3. Each dime will buy as much as a group of 10 pennies. Count the dimes as tens. Say "10, 20."

4. Count the nickels below as fives. They will buy as much as how many cents? 20

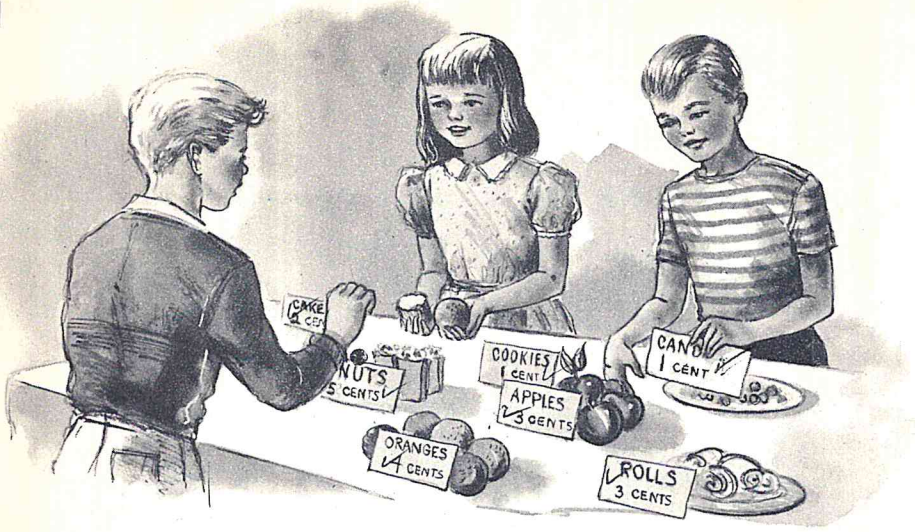
5. Count the dimes below as tens. They will buy as much as how many cents? 20



Making Sure You Know

Add the things that are alike. Look at the top number. Add the bottom number to it. Tell how many there are in all. If you do not know the answers, make pictures to help you find them.

	A	B	C
1.	3 robins	2 sleds	1 nest
	3 robins	1 sled	3 nests
	6? robins	3? sleds	4? nests
2.	1 orange	2 cookies	4 cakes
	2 oranges	4 cookies	1 cake
	3? oranges	6? cookies	5? cakes
3.	5 nickels	1 rooster	2 games
	1 nickel	1 rooster	2 games
	6? nickels	2? roosters	4? games
4.	2 flowers	3 dimes	1 nut
	3 flowers	2 dimes	5 nuts
	5? flowers	5? dimes	6? nuts
5.	1 train	4 pennies	3 eggs
	4 trains	2 pennies	1 egg
	5? trains	6? pennies	4? eggs



Buying at the Food Store

The children are playing store. Read the stories. Find what the children bought and how much money they had to pay.

1. David bought an orange for 4 cents and a cake for 2 cents. How much did he pay in all? 6¢
2. Ann bought a cake for 2 cents and an apple for 3 cents. How much did she pay for both of them together? 5¢
3. Bob bought a piece of candy for 1 cent and a cake for 2 cents. How much did he pay in all? 3¢
4. Ruth bought a bag of nuts for 5 cents and a cookie for 1 cent. How much did she pay in all? 6¢

5. James bought a roll for 3 cents and an apple for 3 cents. How much did he pay for the roll and the apple? 6¢

6. Sally bought an orange for 4 cents and a piece of candy for 1 cent. How much did she pay for both of them together? 5¢

7. Dick bought a piece of candy for 1 cent and a bag of nuts for 5 cents. How much did he pay for both of them together? 6¢

8. Jane bought a cookie for 1 cent and an orange for 4 cents. How much did she pay for both of them together? 5¢

9. Ted sold a piece of candy for 1 cent and a cookie for 1 cent. How much money did he get for both of them? 2¢

10. Grace sold a cookie for 1 cent. She sold a roll for 3 cents. How much did she get in all? 4¢

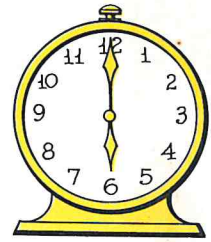
11. Ted sold an apple for 3 cents. He sold a cake for 2 cents. How much did he get for both? 5¢

12. Grace sold a white cake for 2 cents and a brown cake for 2 cents. How much did she get for both of them? 4¢

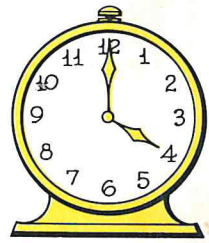
13. Grace sold an apple for 3 cents and a piece of candy for 1 cent. How much did she get for both? 4¢

Telling Time

One day Father gave Grace a new clock for her room. He showed her how to tell time by her new clock.



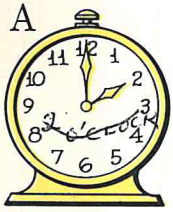
He said, "The long hand of this clock is now at 12. The short hand is at 6. The clock shows that it is 6 o'clock."



1. Look at this clock. Is the long hand at 12? YES Where is the short hand? 4 What time does this clock show? 4 O'CLOCK

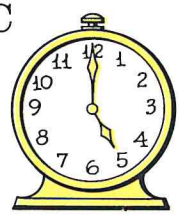
2. Look at each clock below. Tell where the long hand is and where the short hand is. What time does each clock show?

A

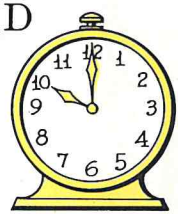


B

C

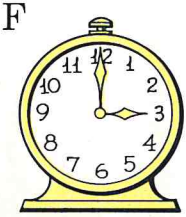


D

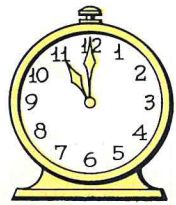


E

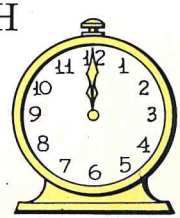
F

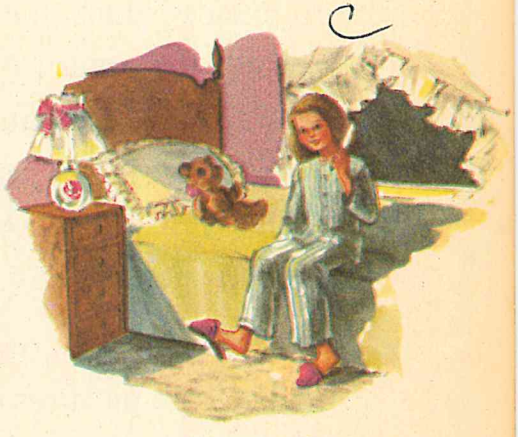


G



H

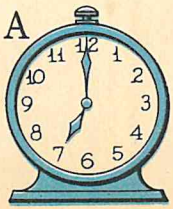




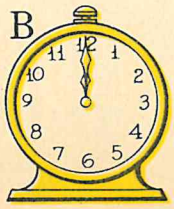
3. The pictures above show some things Grace does each school day. The clocks below show what time she does these things. One picture shows Grace eating her lunch. Which clock shows the hour when she does this? B

4. Find the clock which shows what time Grace does each thing in the pictures above.

A



B



C

D

A

B

C

More or Less

Look at the pictures above. Picture A shows more candy than picture B. Picture C shows less candy than picture B.

Answer these questions:

1. Will a penny buy less candy than a nickel? yes
2. Will a dime buy more candy than a nickel? yes
3. Will a penny buy more or less candy than a dime? less

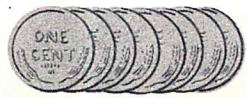
Look at the pictures of pennies below.

4. Which will buy more, the pennies in group A, or those in group B? group a
5. Which will buy more, the pennies in group A, or those in group C? group C
6. Which will buy less, the pennies in group B, or those in group C? group B
7. Find two groups that have the same number of pennies in them. groups B + A

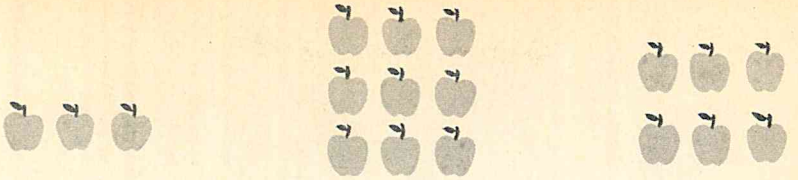
A

B

C



D



SALLY'S APPLES JANE'S APPLES ANN'S APPLES

More and Fewer

Sally does not have as many apples as Jane. Sally has fewer apples than Jane.

1. Does Ann have fewer apples than Jane? yes
2. Who has more apples, Sally or Ann? Ann

DAVID'S PENNIES BOB'S PENNIES TED'S PENNIES DICK'S PENNIES RUTH'S PENNIES

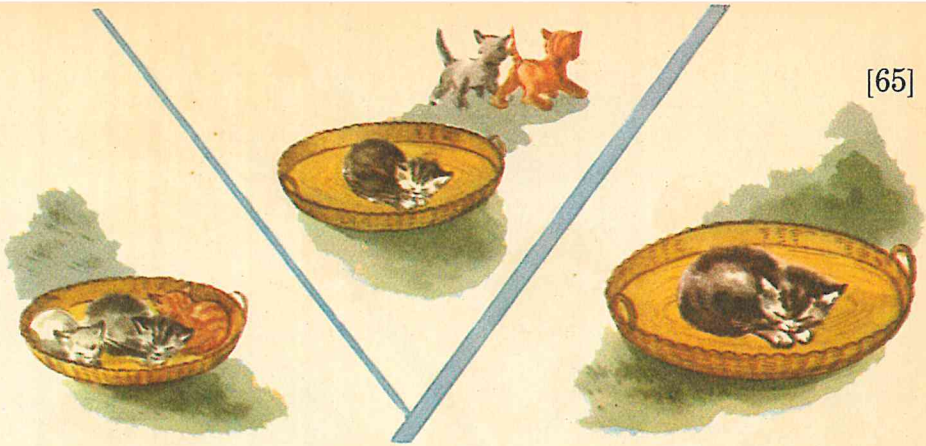
3. Does Ted have fewer pennies than David? yes
4. Does David have more or fewer pennies than Bob? fewer
5. Does Dick have more or fewer pennies than Bob? more
6. Does Ruth have more or fewer pennies than Dick? fewer

Does she have more or fewer pennies than David? more

7. Who has the most pennies? Dick
8. Which children have the same number of pennies? Bob + Ruth

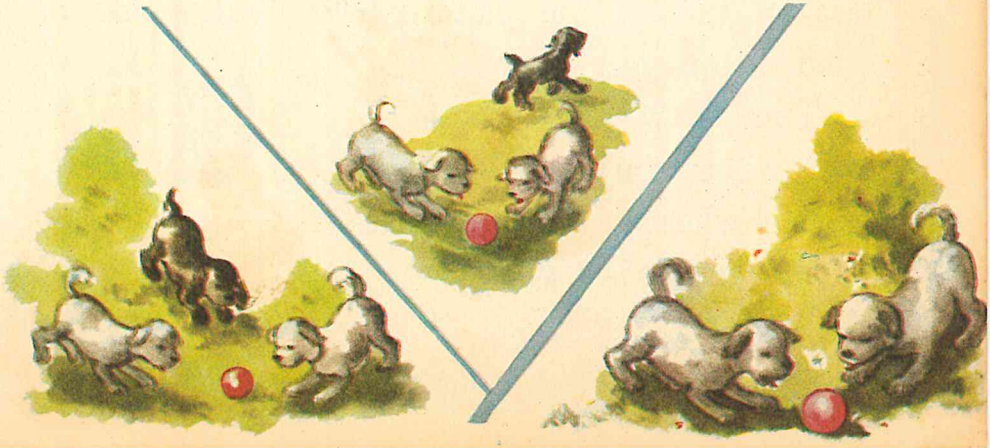
Playing with Pets

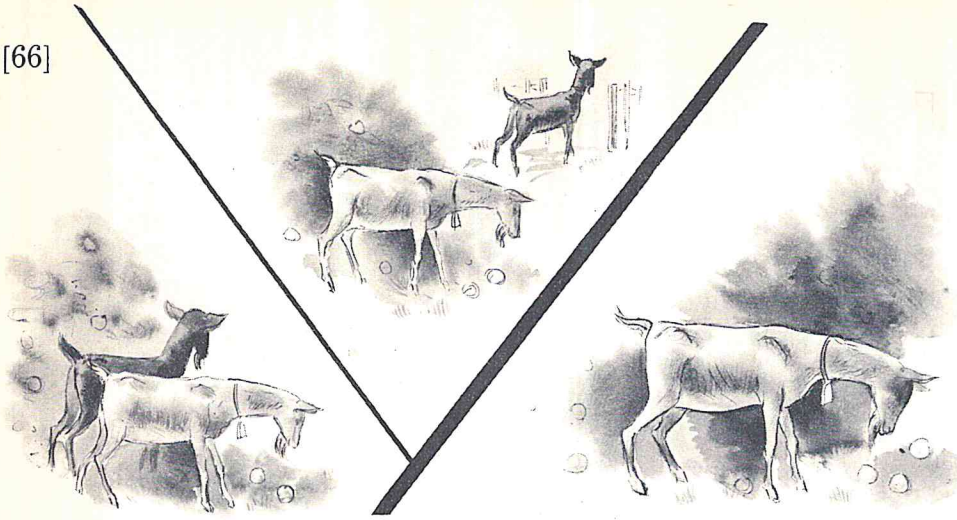
1. Look at the pictures below. Four girls were playing with some puppies. Two of the girls went home. How many girls were playing then? 2
Think, 2 girls from 4 girls is how many girls? 2



2. Three kittens were sleeping in a basket. Two of the kittens climbed out of the basket and went away. How many kittens were left in the basket? 1 Think, 2 kittens from 3 kittens is how many kittens? 1 The pictures above will help you.

3. Three puppies were playing with a ball. One puppy ran away. How many puppies were playing with the ball then? 2 Think, 1 puppy from 3 puppies is how many puppies? 2 The pictures below will help you.

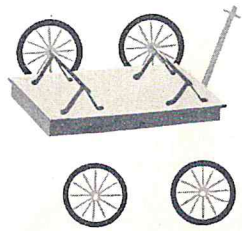




Taking Things Away

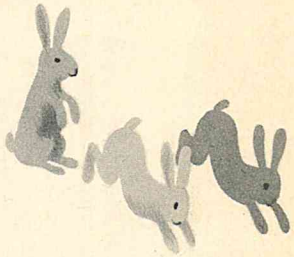
1. Two goats were in the garden. One goat went out of the garden. How many goats were in the garden then? I Think, 1 goat from 2 goats is how many goats? 1 The picture above will help you find the answer.

2. David had 4 wheels on his wagon. He took 2 of the wheels off. How many wheels were on the wagon then? 2 The picture below will help you find the answer.



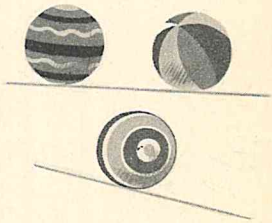
Think how many wheels are left when you take 2 wheels from 4 wheels. Say, "2 wheels from 4 wheels is 2 wheels."

3. Dick had 3 pet rabbits in a pen. Two of them ran away. How many rabbits did Dick have left? 1



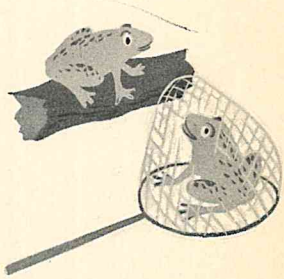
How many rabbits are in the picture? 3 How many rabbits are running away? 2 How many rabbits will be left when 2 of them run away? 1 Think, 2 rabbits from 3 rabbits is how many rabbits? 1

4. Ruth was playing with 3 balls. One of the balls rolled away. How many were left? 2

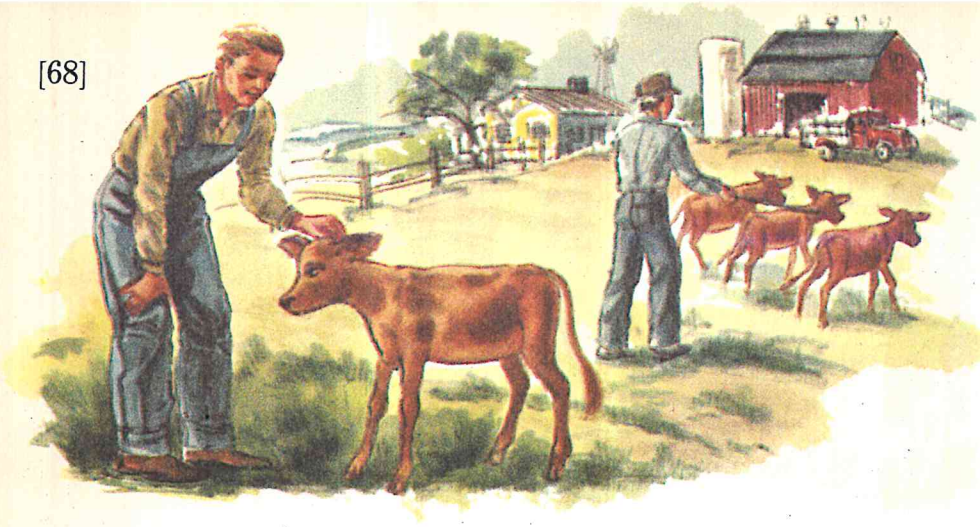


How many balls are in the picture? 3 How many are rolling away? 1 How many balls will be left when 1 ball rolls away? 2 Think, 1 ball from 3 balls is how many balls? 2

5. Bob saw 2 frogs. He caught 1 of them and took it home. How many frogs were left? 1

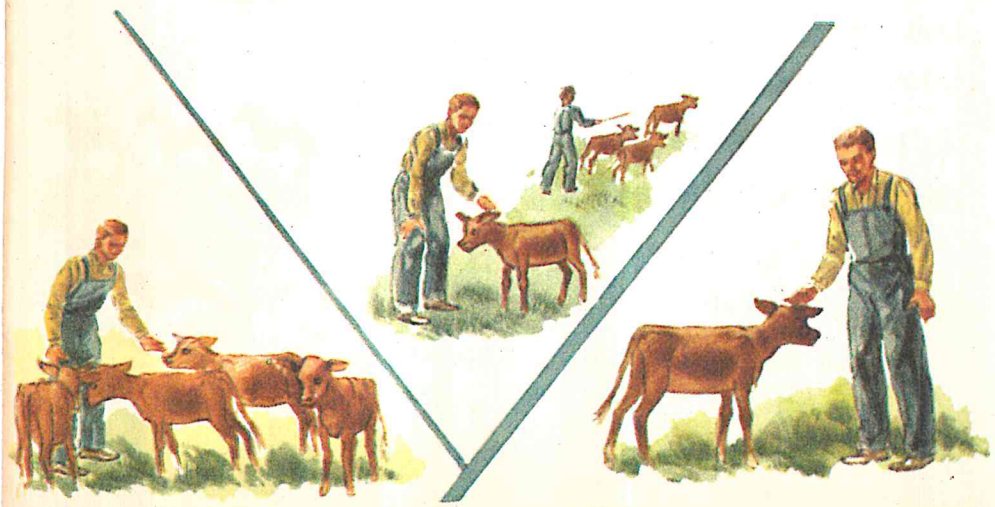


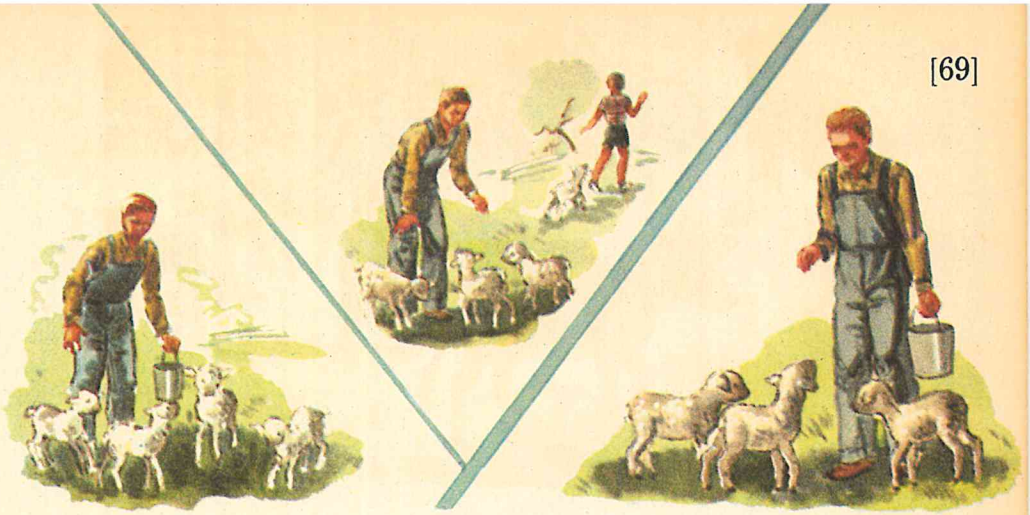
How many frogs are in the picture? 2 How many will be left when 1 frog is taken away? 1 Think, 1 frog from 2 frogs is how many frogs? 1



On the Farm

1. Look at the pictures below. Mr. Brown had 4 calves on his farm. He let a man take 3 of them to market. How many calves did Mr. Brown have then? | How many are left when we take 3 calves from 4 calves? |

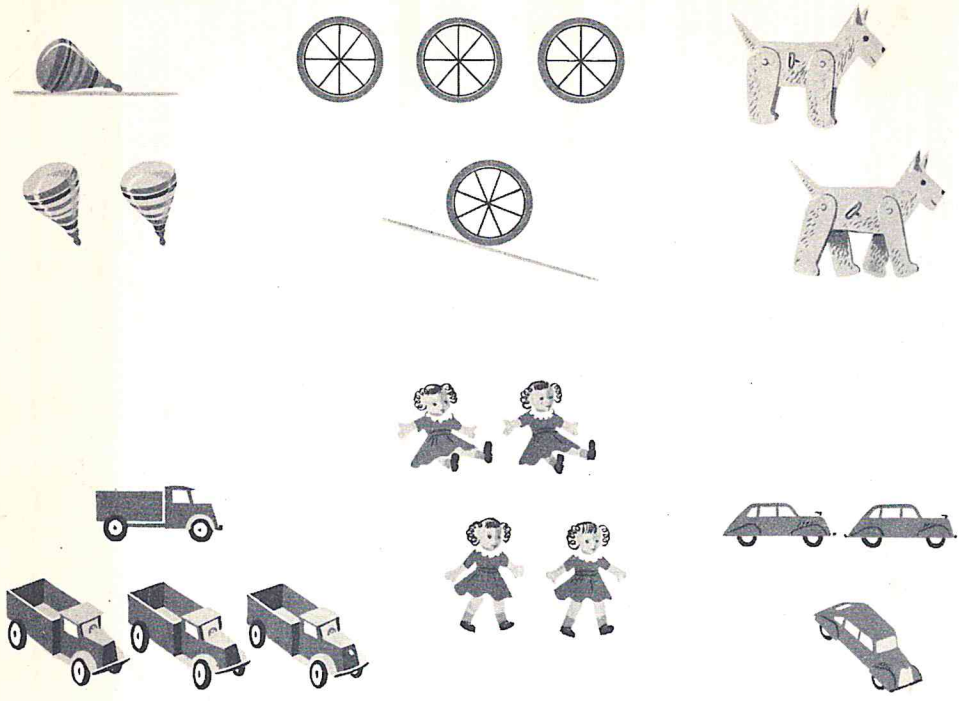




2. Mr. Brown had 4 lambs. He let Ted take 1 for a pet. How many lambs did Mr. Brown have then? 3 How many are left when we take 1 lamb from 4 lambs? 3

3. How many horses are there in this picture? 4 How many horses are running away? 3 How many horses are left when 3 of the horses run away? 1 Think, 3 horses from 4 horses is how many horses? 1

4. How many horses are there in this picture? 4 How many horses are running away? 1 How many horses are left? 3 Think, 1 horse from 4 horses is how many horses? 3

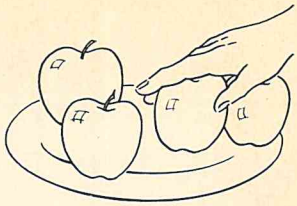


More Things to Take Away

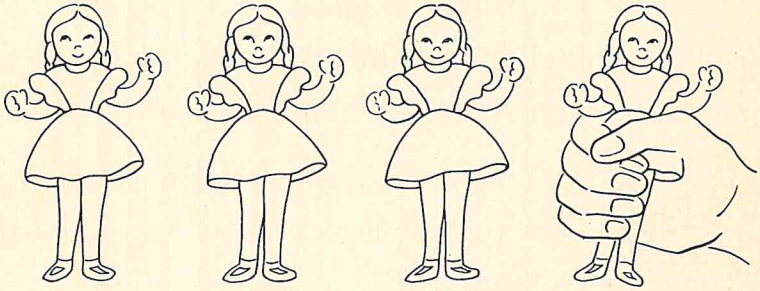
Find a picture above to help you answer each question. When you read question 1, say, "2 tops from 3 tops is how many tops?"

1. 2 tops from 3 tops is ? tops? 1
2. 1 wheel from 4 wheels is ? wheels? 3
3. 1 dog from 2 dogs is ? dogs? 1
4. 3 trucks from 4 trucks is ? trucks? 1
5. 2 dolls from 4 dolls is ? dolls? 2
6. 1 car from 3 cars is ? cars? 2

7. This picture shows what we think of when we see this question: 2 apples from 4 apples is ? apples? 2



To find the answer we take the smaller number of apples, 2, from the larger number of apples, 4. We find how many are left. Tell how many apples are left.



8. This picture shows what we think of when we see this question: 1 doll from 4 dolls is ? 3 dolls? What do we do to find the answer? Do How many dolls are left? 3

9. Read each question below. Take the smaller number of things from the larger number of things. Tell how many are left.

A. 2 lambs from 3 lambs is ? lambs? 1

B. 1 turtle from 2 turtles is ? turtles? 1

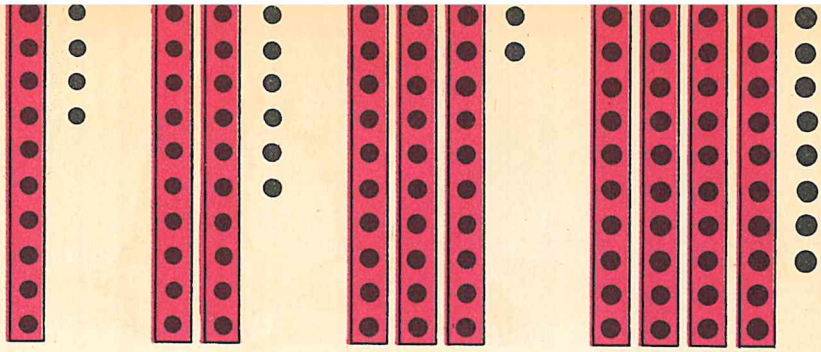
C. 3 goats from 4 goats is ? goats? 1

D. 1 wheel from 3 wheels is ? wheels? 2

Making Airplanes

One day the boys made some airplanes. The stories below tell about the airplanes. Think what happens in each story. Then answer the question.

1. Bob had 4 pieces of wood. He used 2 of them to make an airplane. How many pieces of wood did he have left? 2
2. David had 4 wheels. He used 3 of them for his airplane. How many wheels were left? 1
3. David put 3 wheels on his airplane. When he flew it, 2 wheels came off. How many wheels were on the airplane then? 1
4. Dick made 2 airplanes. He gave 1 to Ted. How many airplanes did Dick have then? 1
5. The boys made 4 airplanes. James took 1 of them home. How many airplanes were left? 3
6. The boys were flying 3 airplanes. One of them fell into a tree. How many were flying then? 2



A B C D

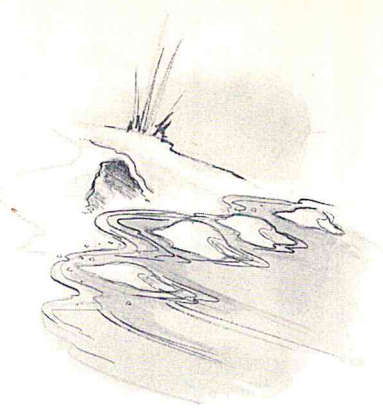
Finding What Numbers Mean

1. In the pictures above, there are 10 dots in each box. In picture A, there are 10 dots in the box and 4 more dots. There are 14 dots in all. Write this number. 14 It means 1 ten and 4 more.

2. In picture B, count the boxes of dots by tens. Then count the other dots. How many dots are there in this picture? 26 Write the number. 26 It means 2 tens and how many more? 6 MORE

3. In picture C, count the boxes of dots by tens. Then count the other dots. How many dots are there in this picture? 32 Write the number. 32 It means how many tens and how many more? 3 T + 2 MORE

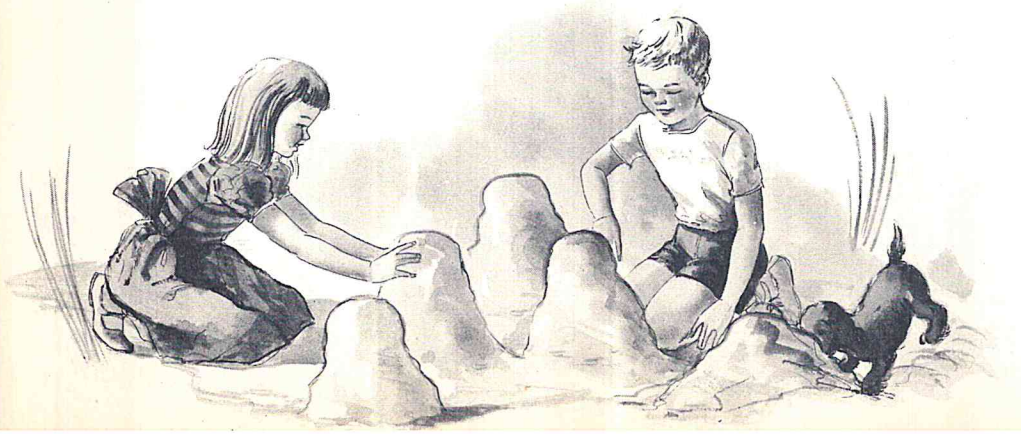
4. In picture D, how many boxes of 10 dots are there? 4 How many more dots are there? 8 How many dots are there in the picture? 48 Write this number. 48 It means how many tens and how many more? 4 T + 8 MORE

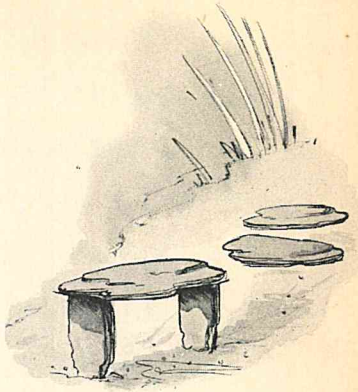


At the River

1. One day Sally and James played in the sand by the river. They made 5 caves in the sand. The water washed 4 of them away. How many caves were left? 1 4 caves from 5 caves is how many caves? 1

2. Sally and James built 5 hills in the sand. The puppy knocked down 1 of the hills. How many hills were left? 4 1 hill from 5 hills is how many hills? 4

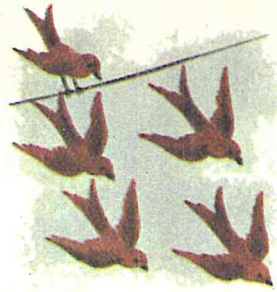




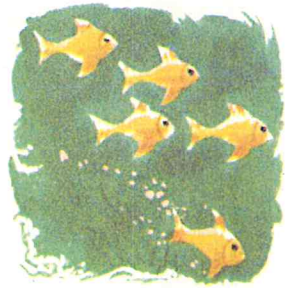
3. James found 5 large flat stones on the sand. He used 3 of them to make a bridge. How many stones were left? 2 3 stones from 5 stones is how many stones? 2

4. Sally found 5 turtles on the sand. She caught 2 of them for pets. How many were left on the sand? 3 2 turtles from 5 turtles is how many turtles? 3

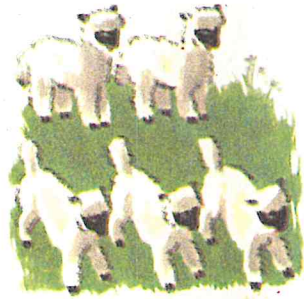
How Many Are Left?



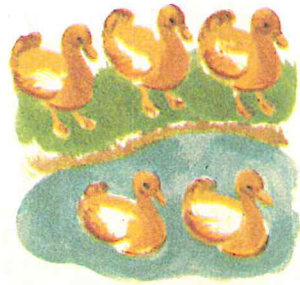
1. How many birds are there in this picture? 5 How many birds are flying away? 4 How many birds will be left when 4 fly away? 1 Think, 4 birds from 5 birds is how many birds? 1



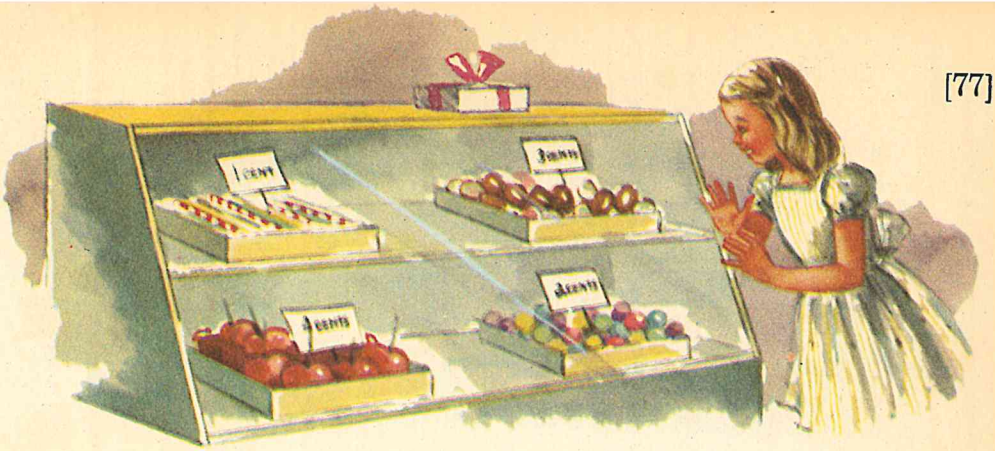
2. How many fish are there in this picture? 5 How many fish are swimming away? 1 How many fish will be left when 1 swims away? 4 Think, 1 fish from 5 fish is how many fish? 4



3. How many lambs are there in this picture? 5 How many lambs are running away? 3 How many lambs will be left when 3 run away? 2 3 lambs from 5 lambs is how many lambs? 2



4. How many ducks are there in this picture? 5 How many ducks are swimming away? 2 How many ducks will be left when 2 swim away? 3 2 ducks from 5 ducks is how many ducks? 3



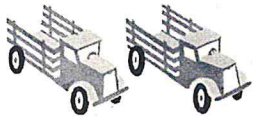
Buying Candy

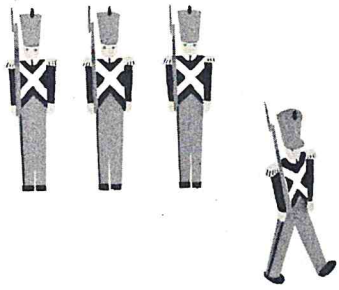
The boys and girls were buying candy. Find what kind they bought and how much money they had left.

1. Bob had 5 cents. He spent 1 cent for a stick of candy. How many cents did he have left? 4
2. Ruth had 5 cents. She spent 3 cents for a candy egg. How many cents did she have then? 2
3. Ted had 4 cents. He spent 1 cent for a stick of candy. How many cents were left? 3
4. Grace had 3 cents. She spent 2 cents for a candy ball. How many cents did she have left? 1
5. Jane had 5 cents. She spent 4 cents for a candy apple. How many cents were left? 1
6. Dick had 5 cents. He spent 2 cents for a candy ball. How many cents were left? 3

Thinking of Pictures

1. This picture shows what we think of when we read this question: 2 trucks from 5 trucks is ? trucks? 3
How many are left when we take 2 trucks from 5 trucks? 3
Write the answer.





2. This picture shows what we think of when we read: 1 toy from 4 toys is ? toys? 3
How many are left when we take 1 toy from 4 toys? 3
Write the answer.

3. Read each question below. Think of a picture to go with it. Then think of the answer. Write the number that tells how many are left.

A. 1 pencil from 3 pencils is ? pencils? 2
B. 2 dimes from 4 dimes is ? dimes? 2
C. 3 nickels from 4 nickels is ? nickels? 1
D. 1 cent from 5 cents is ? cents? 4
E. 3 oranges from 5 oranges is ? oranges? 2
F. 2 cakes from 3 cakes is ? cakes? 1
G. 4 pies from 5 pies is ? pies? 1
H. 1 cookie from 2 cookies is ? cookies? 1

Some boys and girls saved dimes and pennies. Find how much money each of them saved.

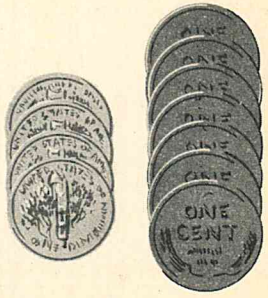
1. Count Ann's money. Each dime will buy as much as 10 pennies. Count the dimes as tens. Say "10, 20, 30." Three dimes will buy as much as 30 pennies. Now count the pennies. Write the number that shows how much money Ann saved. 34

ANN'S MONEY

2. Look at the picture of David's money. Count the dimes as tens. Count the pennies. Write the number that shows how much money David saved. 56

DAVID'S MONEY

3. Look at the picture of Dick's money. Count the dimes as tens. Count the pennies. Write the number that shows how much money Dick saved. 47



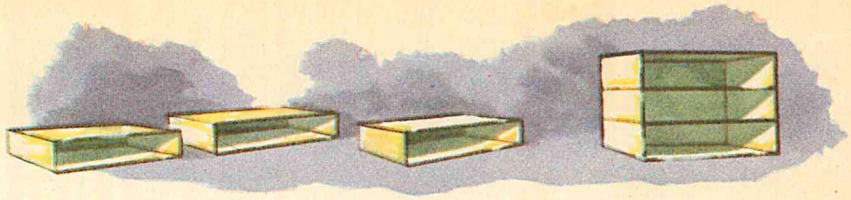
DICK'S MONEY

Making Things for the Doll House

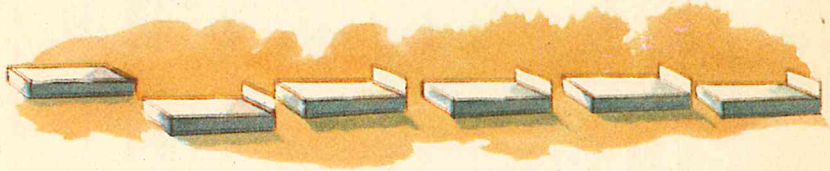
The girls used boxes to make things for the doll house. Find what they made.

1. Jane had 6 boxes. She made chairs with 4 of the boxes. How many boxes did she have left? 2 4 boxes from 6 boxes is how many boxes? 2

2. Ann had 6 round boxes. She used 2 of them to make a table. How many round boxes did she have left? 2 boxes from 6 boxes is how many boxes? 4 4



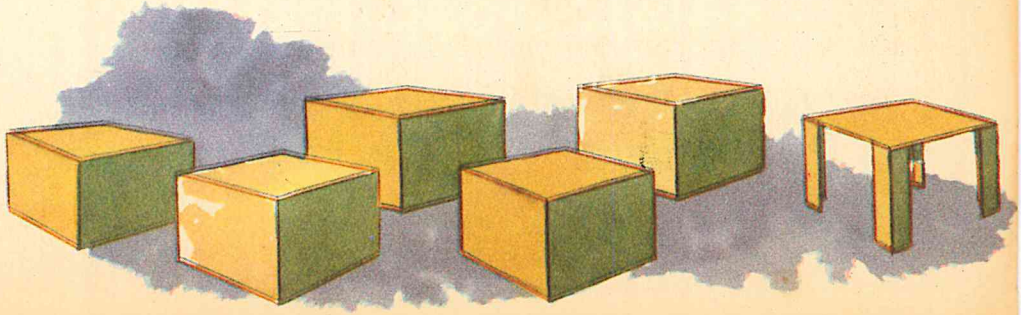
3. The girls had 6 small boxes. They used 3 of them to make a place for books. How many small boxes did they have left? 3 boxes from 6 boxes is how many boxes? 3 3

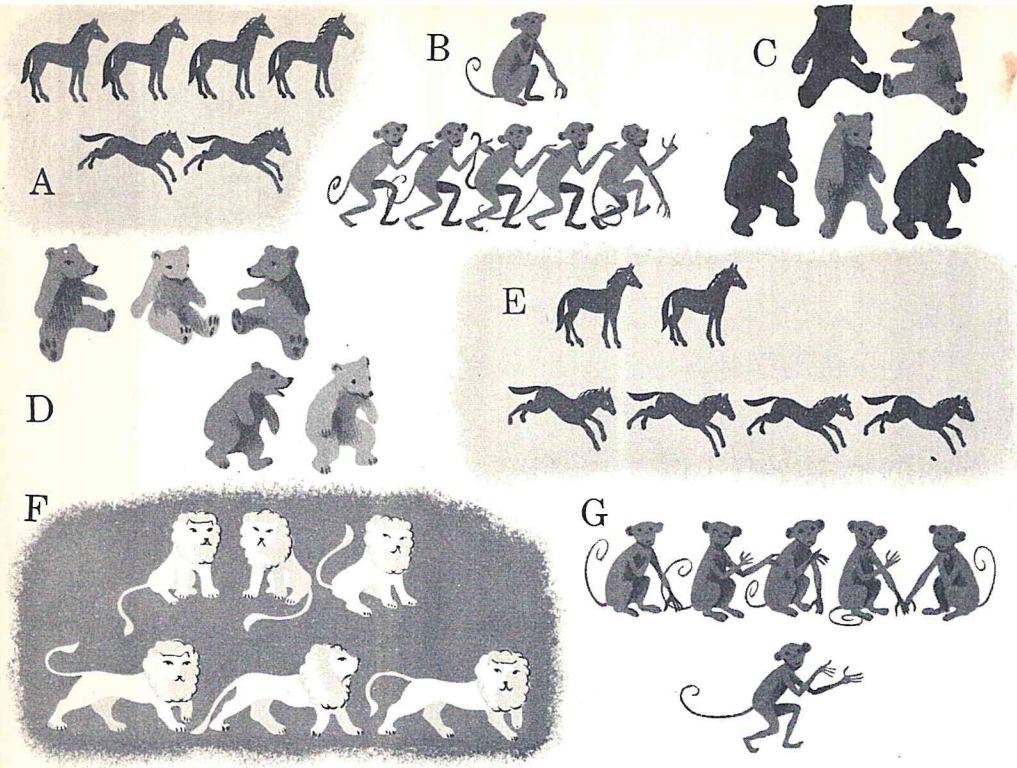


4. The girls had 6 long boxes. They used 5 of them to make beds for the dolls. How many long boxes did they have left? 5 boxes from 6 boxes is how many boxes? 1 1

5. Look at the picture below. The girls had 6 large boxes. They used 1 of the boxes to make a large table. How many large boxes did they have left? 1 box from 6 boxes is how many boxes?

5 5





Finding Pictures

Find a picture above to help you say the answer to each of these questions:

1. 3 lions from 6 lions is 3 lions? = 3
2. 3 bears from 5 bears is 2 bears? = 2
3. 2 bears from 5 bears is 3 bears? = 3
4. 2 ponies from 6 ponies is 4 ponies? = 4
5. 4 ponies from 6 ponies is 2 ponies? = 2
6. 1 monkey from 6 monkeys is 5 monkeys? = 5
7. 5 monkeys from 6 monkeys is 1 monkeys? = 1

At the Circus

1. In the circus, 6 clowns were riding horses. Two clowns fell off. How many clowns were riding then? 4

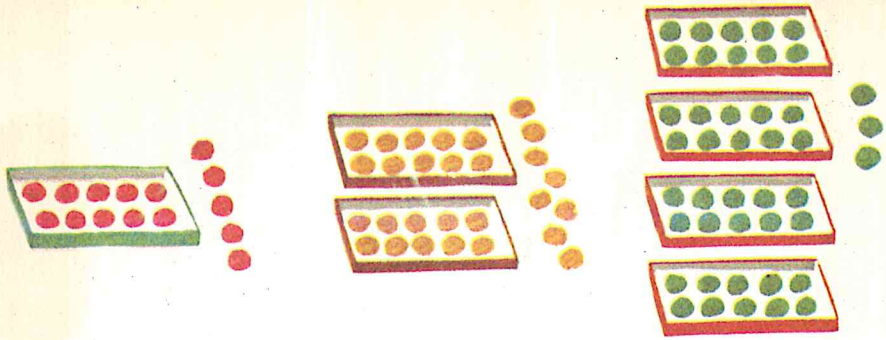
2. Six bears were dancing in the ring. A clown took 3 of the bears away. Then how many bears were dancing? 3

3. Six girls were walking on a high rope. One girl jumped down. How many girls were walking on the rope then? 5

4. Five elephants were running around the ring. Two elephants ran out of the ring. How many elephants were left in the ring? 3

5. Six monkeys were playing horns. Four monkeys lost their horns. Then how many monkeys were playing horns? 2

6. Six dogs were jumping rope. Five dogs ran out of the ring. How many were jumping then? 1



Finding What Numbers Mean

Mother made some candy. Ann helped put it in boxes. She put ten pieces in each box. Find how many pieces of each kind she had.

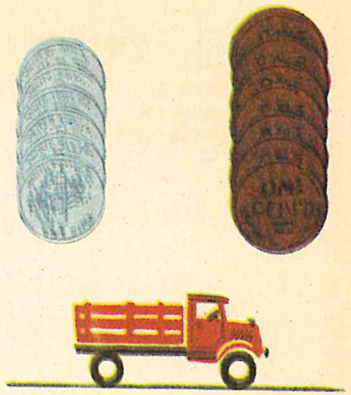
1. How many boxes of pink candy are there? 1 How many pieces are left over? 5 There are 15 pieces in all. The number 15 means 1 ten and 5 more. Write the number 15. 15

2. Count the boxes of yellow candy as tens. Then count the pieces that are left. Write the number that tells how many pieces of yellow candy there are. 28 This number means how many tens and how many more? 2 T + 8 MORE

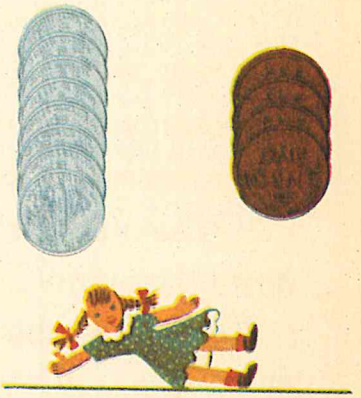
3. Count the boxes of green candy as tens. Then count the pieces that are left. Write the number that tells how many pieces of green candy there are. 43 This number means how many tens and how many more? 4 T + 3 MORE

Buying Toys

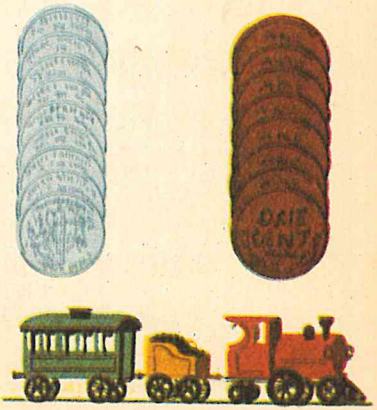
Some children bought these toys. Count the money to find how much the toys cost.



1. Dick paid 6 dimes and 7 cents for the truck. Count the dimes as tens. Then count the pennies. How many cents did the truck cost? 67¢



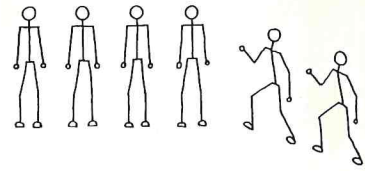
2. Ann paid 8 dimes and 4 cents for the doll. Count the dimes as tens. Then count the pennies. How many cents did the doll cost? 84¢



3. David paid 9 dimes and 8 cents for the train. Count the dimes as tens. Count the pennies. How many cents did the train cost? 98¢

Things to Add

1. This picture shows 4 boys and 2 more boys who are coming. 4 boys and 2 boys are how many boys? 6



The numbers and words at the right tell what the picture shows.

4 boys
+2 boys
6? boys

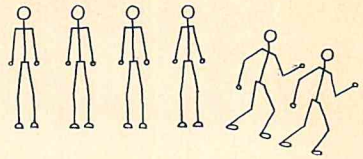
The sign + tells us to add. When we see this sign, we say "and." We say, "4 boys and 2 boys are how many boys?" 6 What is the answer? 6

Read 2 A, below. Say, "3 girls and 2 girls are how many girls?" Write the answer.

Read the other numbers and words below. Write the numbers that tell the answers.

	A	B	C	D
2.	3 girls	1 stone	3 horns	4 turkeys
	+2 girls	+5 stones	+3 horns	+1 turkey
	5? girls	6? stones	6 horns	5? turkeys
3.	1 dime	2 nickels	5 shells	2 squirrels
	+4 dimes	+4 nickels	+1 shell	+3 squirrels
	5? dimes	6? nickels	6? shells	5? squirrels

1. This picture shows 6 boys. Two of the boys are going away. 2 boys from 6 boys is how many boys? 4



The numbers and words at the right tell what the picture shows.

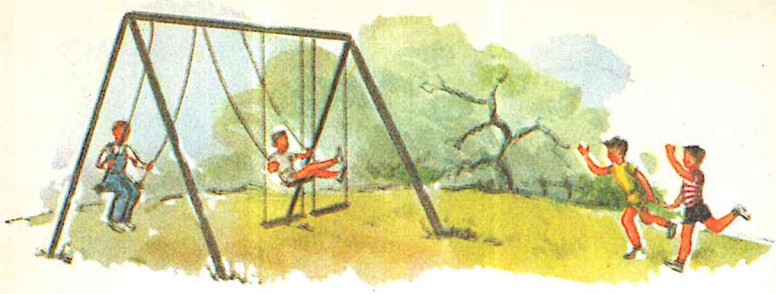
6 boys
−2 boys
4? boys

The sign − tells us to take 2 boys from 6 boys. When we see this sign, we say "from." We say, "2 boys from 6 boys is how many boys?" 4 What is the answer? 4

When we take 2 boys from 6 boys and find how many are left, we are subtracting.

Read the numbers and words below. Subtract, and write the numbers that tell the answers.

	A	B	C	D
2.	5 girls	6 stones	6 horns	4 turkeys
	−2 girls	−1 stone	−3 horns	−3 turkeys
	3? girls	5? stones	3? horns	1? turkeys
3.	5 dimes	6 nickels	6 shells	5 squirrels
	−4 dimes	−4 nickels	−5 shells	−3 squirrels
	1? dimes	2? nickels	1? shells	2? squirrels



Playing in the Park

1. Two boys were swinging. Two more boys came to swing. How many boys were swinging then? 4

Think what happened in the story. Did more boys come to swing, or did some boys go away?

Should you add or subtract to answer the question, "How many boys were swinging then?" 4

How many are 2 boys and 2 boys? 4

2. Look at the picture below. Four boys were swinging. Two of the boys went home. How many boys were swinging then? 2

Think what happened in this story. Did more boys come to swing, or did some boys go away?

Should you add or subtract? 2 boys from 4 boys is how many boys? subtract 2

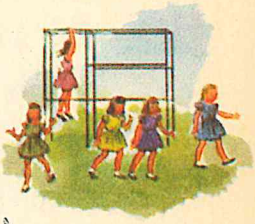
3. Four girls were playing on the slide. One more girl came to play. How many girls were playing then? 5

Think what happened in the story. Should you add or subtract to find the answer? add

4. Five girls were playing on the slide. One girl went home. How many girls were playing on the slide then? 4

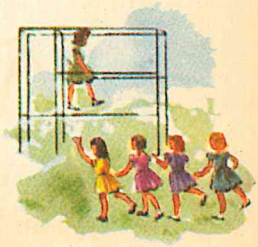
Think what happened in the story. Should you add or subtract to find the answer? subtract

5. Five girls were climbing in the park. Four of the girls jumped down. How many girls were climbing then? 1



What happened in the story? Should you add or subtract? subtract

6. One girl was climbing in the park. Four more girls came to climb. How many girls were climbing then? 5



What happened in the story? 1 + 4 Should you add or subtract? add

More Games in the Park

1. Two boys were playing in the pool in the park. One more boy came to play. How many boys were playing in the pool then? 3

Think what happened in the story. Then think what you should do to find the answer.

Write the words and numbers. Use the sign that tells how to find the answer. Then find the answer.

2 boys
1 boy
3? boys

2. Three boys were playing in the pool. Two boys left to play on the swings. How many boys were playing in the pool then? 3

3 boys
2 boys
3? boys

Write the words and numbers. Use the sign that tells how to find the answer. Then find the answer.

3. One boy was playing on the bridge in the park. Two more boys came to play with him. How many boys were playing on the bridge then? 3 Find the answer.

1 boy
2 boys
3? boys

4. Three boys were on the bridge. One boy ran off the bridge. How many boys were on the bridge then? Find the answer. 4

3 boys
1 boy
4? boys

1. Read the numbers and words below. They are called examples. The answers are given.

3 cats	2 cats	5 cats	5 cats
+2 cats	+3 cats	−3 cats	−2 cats
5 cats	5 cats	2 cats	3 cats

2. The numbers 2, 3, and 5 are used in the four examples above. Two of the examples use the sign that tells us to add. Read them.

3. Two of the examples above use the sign that tells us to subtract. Read them.

4. These two examples use the numbers 1 and 2. Read the examples and tell what signs are used.

1 pig	2 pigs
+1 pig	−1 pig
2 pigs	1 pig

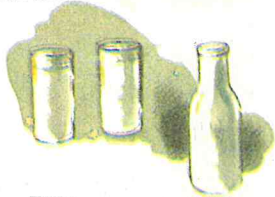
5. The numbers 1, 3, and 4 are used in the examples below. Read each example and tell what sign is used in it.

3 dogs	1 dog	4 dogs	4 dogs
+1 dog	+3 dogs	−3 dogs	−1 dog
4 dogs	4 dogs	1 dog	3 dogs

A Good Lunch

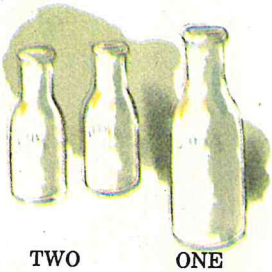
The girls are having a good lunch. Each girl drinks two glasses of milk with her lunch.

1. Sally said, "I have a pint of milk for lunch. The milk will fill my glass two times."



TWO GLASSES — ONE PINT

2. Grace said, "You have one pint of milk and I have one pint." How many pints of milk did the girls have together? 2



TWO PINTS — ONE QUART

3. Sally said, "The milk in our two pint bottles will fill a quart bottle. Two pints are the same as one quart."

4. Grace said, "I drink a quart of milk every day." How many pints of milk does Grace drink a day? 2 A quart is the same as how many pints? 2

101	111	121	131	141	151	161	171	181	191
102	112	122	132	142	152	162	172	182	192
103	113	123	133	143	153	163	173	183	193
104	114	124	134	144	154	164	174	184	194
105	115	125	135	145	155	165	175	185	195
106	116	126	136	146	156	166	176	186	196
107	117	127	137	147	157	167	177	187	197
108	118	128	138	148	158	168	178	188	198
109	119	129	139	149	159	169	179	189	199
110	120	130	140	150	160	170	180	190	200

1. Find the number 101 above. Read it this way: "one hundred one." Read the next number below it "one hundred two." Read all of the numbers below 101. Then write them.

2. Find the number 111. Read it "one hundred eleven." Read all of the numbers from 111 to 200.

3. What number comes just before 56? ~~57~~ What number comes just after 56? What number comes just before 156? just after 156? 155 157

55 57

4. Tell what number comes just before and what number comes just after each of these numbers:

15	115	73	173	30	130
48	148	81	181	99	199

129-131

198-200

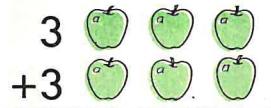
14-16 114-116 72-74 172-174 29-31

47-49 147-149 80-82 180-182 98-100

Reading and Writing Examples

1. Look at these examples:

A



3
+3
6? apples

B

3 tops
+3 tops
6? tops

C

3
+3
6

When we see example A, we add 3 apples and 3 apples. What is the answer? 6

When we see example B, we add 3 tops and 3 tops. What is the answer? 6

In example C, the numbers may mean 3 and 3 of anything. The sign tells us to add 3 and 3. We think, 3 and 3 are 6. The answer is 6. The 6 may mean 6 of anything.

We can add or subtract numbers alone. We do not need pictures or words to show what the numbers mean.

2. In the example at the right, we see the 5, the +, and the 1. The sign tells us to add the 5 and the 1. We think, 5 and 1 are 6. We write 6.

```
  5
+ 1
  6
```

3. In the next example, we see the 6, the −, and the 5. The sign tells us to take the 5 from the 6. We think, 5 from 6 is 1. What do we write? 1

```
  6
- 5
  1
```

4. In the example at the right, we see the 1, the +, and the 5. The sign tells us to add the 1 and the 5. We think, 1 and 5 are 6. What do we write? 6

$$\begin{array}{r} 1 \\ +5 \\ \hline 6 \end{array}$$

5. Write the next example. First write the larger number, 6. Then write the smaller number, 1, under it. Write the − sign at the left of the 1. Draw a line under the example.

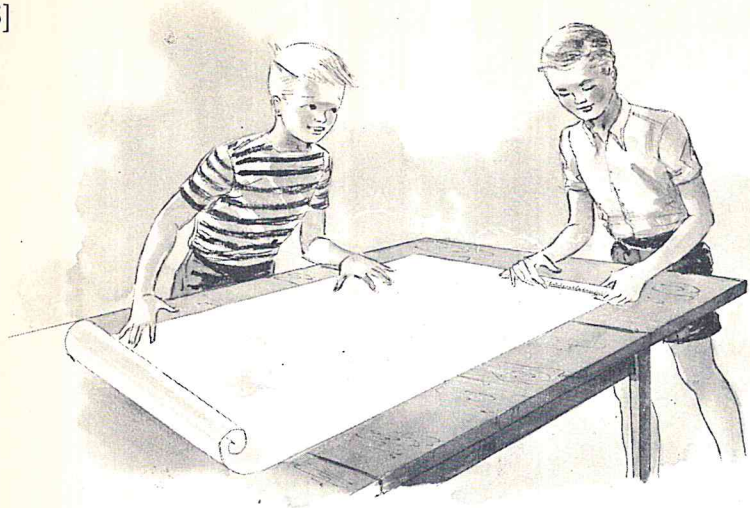
$$\begin{array}{r} 6 \\ -1 \\ \hline 5 \end{array}$$

What does the sign tell you to do? What should you think? What should you write under the line? 5 Write this number. 5

In the examples below, remember that the + sign tells you to add the bottom number to the top number and find how many there are together.

The − sign tells you to subtract the bottom number from the top number and find how many are left. Write the examples and the answers.

	A	B	C	D	E	F
6.	$\begin{array}{r} 4 \\ +2 \\ \hline 6 \end{array}$	$\begin{array}{r} 2 \\ +4 \\ \hline 6 \end{array}$	$\begin{array}{r} 6 \\ -4 \\ \hline 2 \end{array}$	$\begin{array}{r} 6 \\ -2 \\ \hline 4 \end{array}$	$\begin{array}{r} 3 \\ +3 \\ \hline 6 \end{array}$	$\begin{array}{r} 6 \\ -3 \\ \hline 3 \end{array}$
7.	$\begin{array}{r} 3 \\ +2 \\ \hline 5 \end{array}$	$\begin{array}{r} 2 \\ +3 \\ \hline 5 \end{array}$	$\begin{array}{r} 5 \\ -3 \\ \hline 2 \end{array}$	$\begin{array}{r} 5 \\ -2 \\ \hline 3 \end{array}$	$\begin{array}{r} 2 \\ +2 \\ \hline 4 \end{array}$	$\begin{array}{r} 4 \\ -2 \\ \hline 2 \end{array}$



Cutting Paper for Pictures

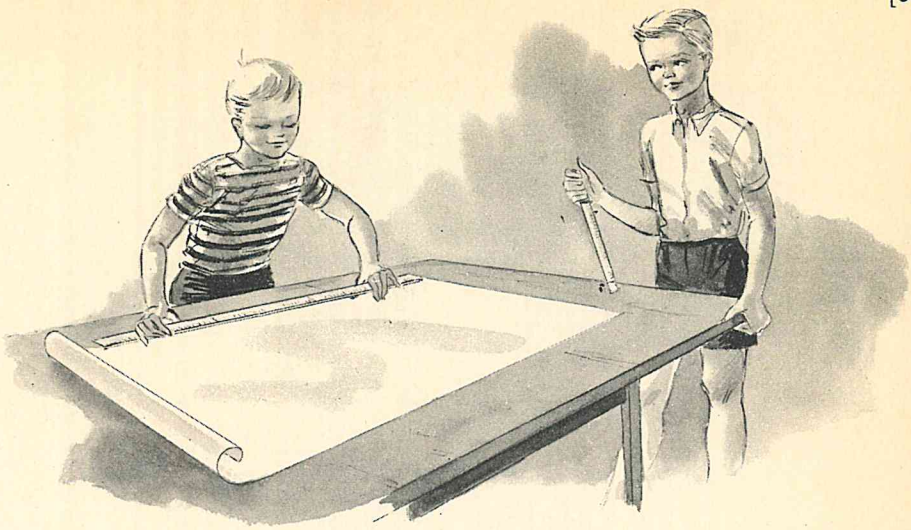
The boys wanted a long piece of paper to make a picture.

Dick said, "We can use a piece of paper from this large roll for our picture."

James asked, "Is the paper wide enough for the picture?" yes

Dick used a ruler 1 foot long. He placed it along the short side of the paper, to find how wide the paper was. Dick said, "One foot and 1 foot are 2 feet. The paper is 2 feet wide. It is wide enough for the picture."

1. Use a ruler that is 1 foot long and make a line to show how wide the paper was.

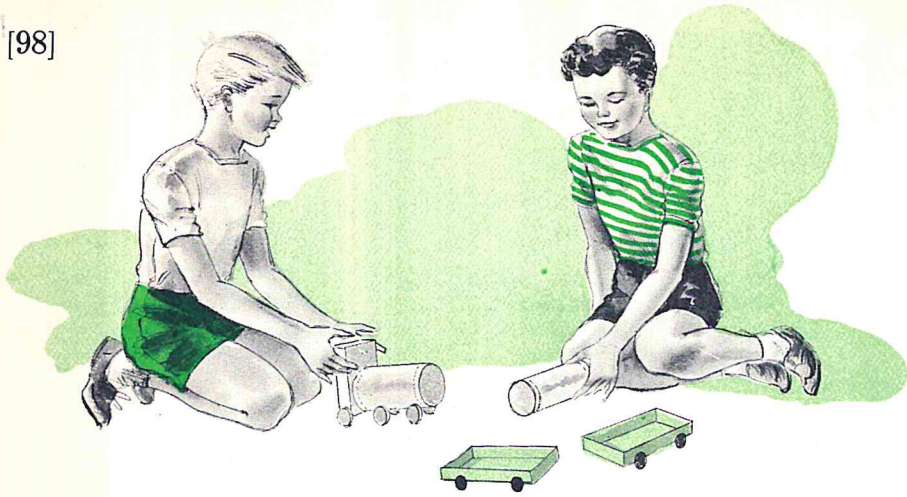


James said, "We should cut a piece of paper that is 3 feet long for the picture. This yardstick is 1 yard long. A yard is the same as 3 feet. We can use the yardstick to find where to cut the paper."

2. Use a yardstick to make a line 1 yard long. This will show how long the picture was to be. Use a ruler 1 foot long to find how many feet long the line is.

3. Find a large piece of paper. Cut from it a piece of paper 1 foot wide and 2 feet long.

4. Draw a line 2 yards long. Use a ruler that is 1 foot long to find how many feet long the line is.



Making a Train

Each of the number stories below asks a question. To find the answer to the question, we think about the things the story tells us and what the question asks us to find.

Read each number story and answer the questions about it. Then find the answer to the question in the story.

1. One day the boys made a train. Bob made the engine. He used 1 round box and 1 flat box. How many boxes did Bob use for the engine? 2

How many round boxes did Bob use? 1 How many flat boxes? 1

What does the question in the story ask?

Should you add or subtract? add

2. Bob put 6 wheels on the engine. Two of the wheels came off. How many wheels were on the engine then? 4

What happened to some of the wheels? fell off

What does the question in the story ask? How many were on

Should you add or subtract? sub.

3. Ted made 2 flat cars and 4 box cars. How many cars did he make in all? 6

How many flat cars did Ted make? 2 How many box cars? 4

What does the question in the story ask? How many

Should you add or subtract? add

4. Bob and Ted made a track for the train with 4 long blocks. They wanted to make the track longer. So they used 2 more blocks for the track. How many blocks did the boys use in all? 6

How many blocks did they use each time? 4 + 2

What does the question in the story ask? How many blocks

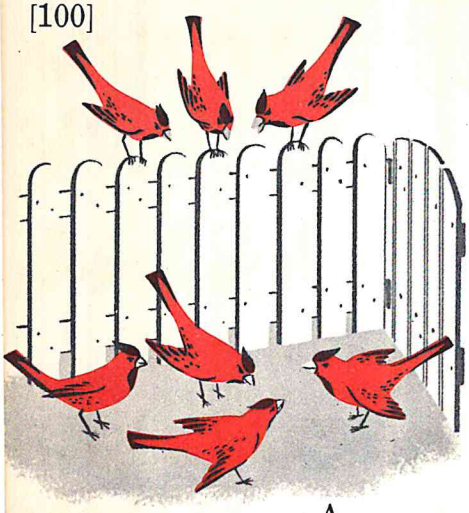
Should you add or subtract? add

5. The boys had 5 blocks left. They used 3 of them to make a bridge. How many blocks did they have left then? 2

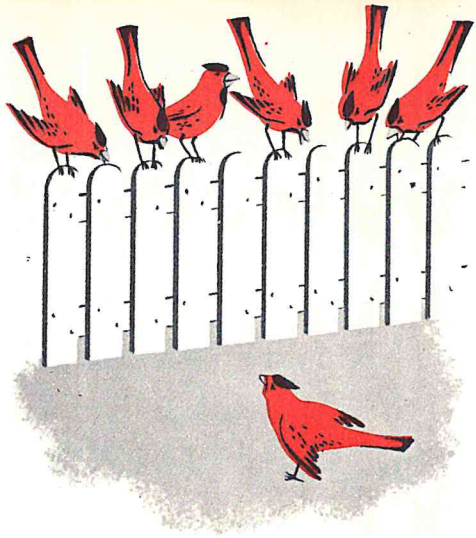
How many blocks did they use for the bridge? 3

What does the question in the story ask? How many blocks

Should you add or subtract? sub.



A



B

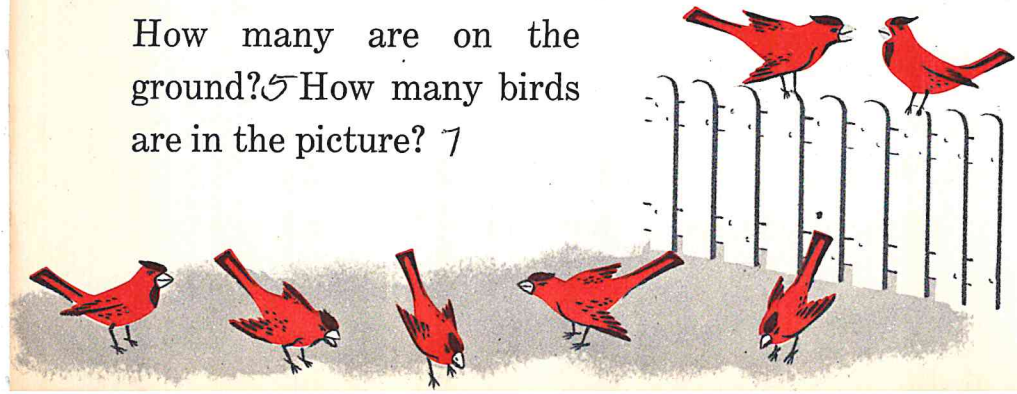
How Many Birds in Each Group?

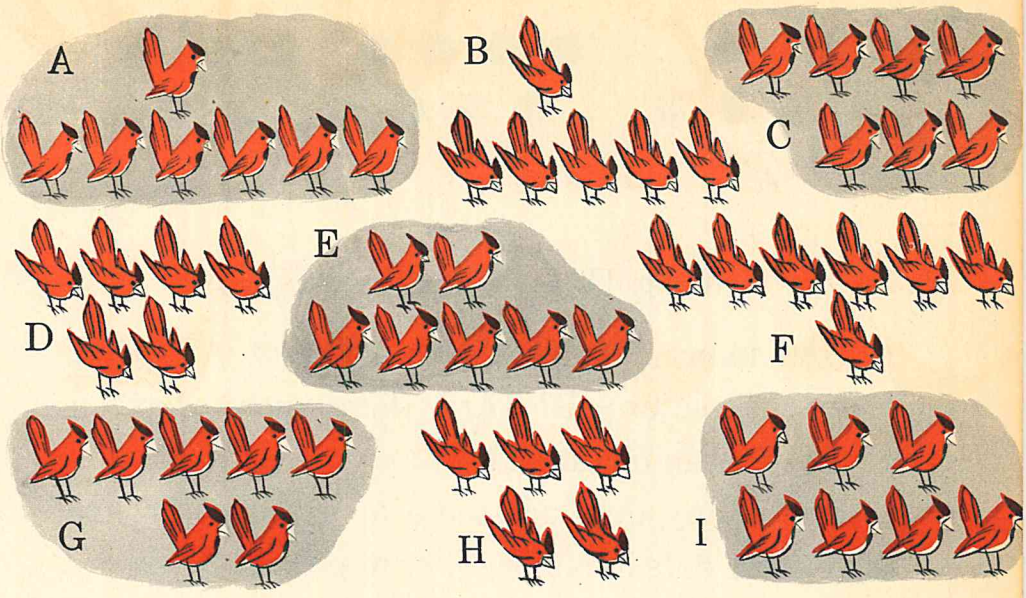
1. In picture A, how many birds are on the fence? 3 How many are on the ground? 4 How many birds are in the picture? 7

2. In picture B, how many birds are on the fence? 6 How many are on the ground? 1 How many birds are in the picture? 7

3. In picture C, how many birds are on the fence? 2 How many are on the ground? 5 How many birds are in the picture? 7

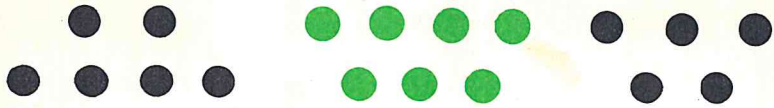
C





Finding Groups of Birds

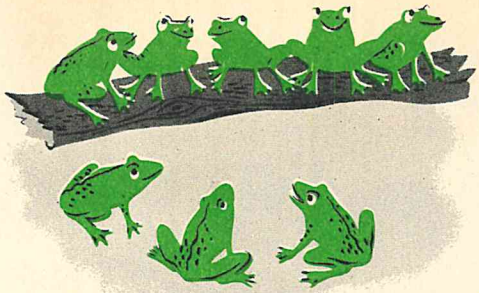
1. Find the picture that has 2 birds above and 5 below. How many birds are in the picture? 7
2. Find the picture that has 6 birds above and 1 below. How many birds are in the picture? 7
3. Find the picture that has 3 birds above and 4 below. How many birds are in the picture? 7
4. Find the picture that has 5 birds above and 2 below. How many birds are in the picture? 7
5. Find the picture that has 1 bird above and 6 below. How many birds are in the picture? 7
6. Find the picture that has 4 birds above and 3 below. How many birds are in the picture? 7



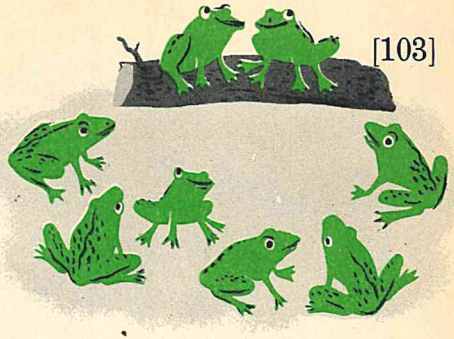
A B C

Finding How Many in a Group

1. How many dots are there in picture A? 6 How many in picture B? 7 Are there more dots in picture A or in picture B? B
2. How many dots are there in picture C? 5 Are there more dots in picture C or in picture B? B
3. In which picture is the largest number of dots? B the smallest number? C
4. Make a picture with 5 dots above and 2 dots below. How many dots did you make? 7
5. Make a picture with 2 dots above and 5 dots below. How many dots did you make? 7
6. Make a picture with 6 dots above and 1 dot below. How many dots did you make? 7
7. Make a picture with 1 dot above and 6 dots below. How many dots did you make? 7
8. Make a picture with 4 dots above and 3 dots below. How many dots did you make? 7
9. Make a picture with 3 dots above and 4 dots below. How many dots did you make? 7



A



B

How Many Frogs in Each Group?

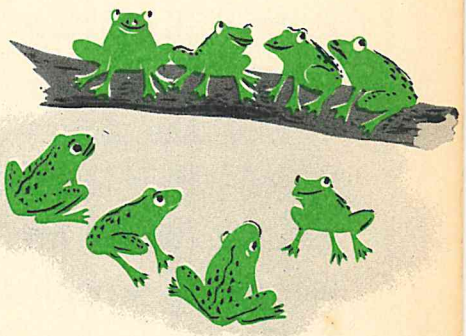
1. In picture A, how many frogs are on the log? 5 How many are on the sand? 3 How many frogs are in the picture? 8

2. In picture B, how many frogs are on the log? 2 How many are on the sand? 6 How many frogs are in the picture? 8

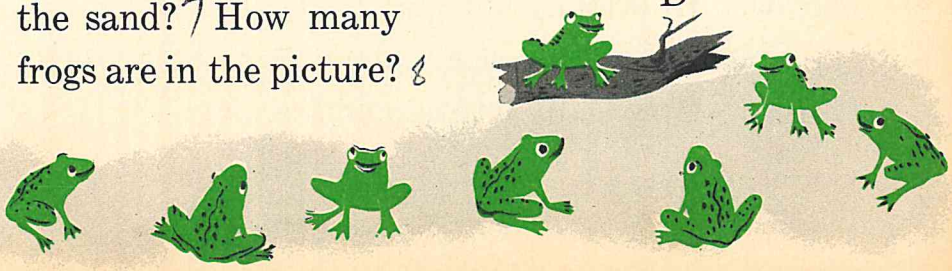
3. In picture C, how many frogs are on the log? 4 How many are on the sand? 4 How many frogs are in the picture? 8

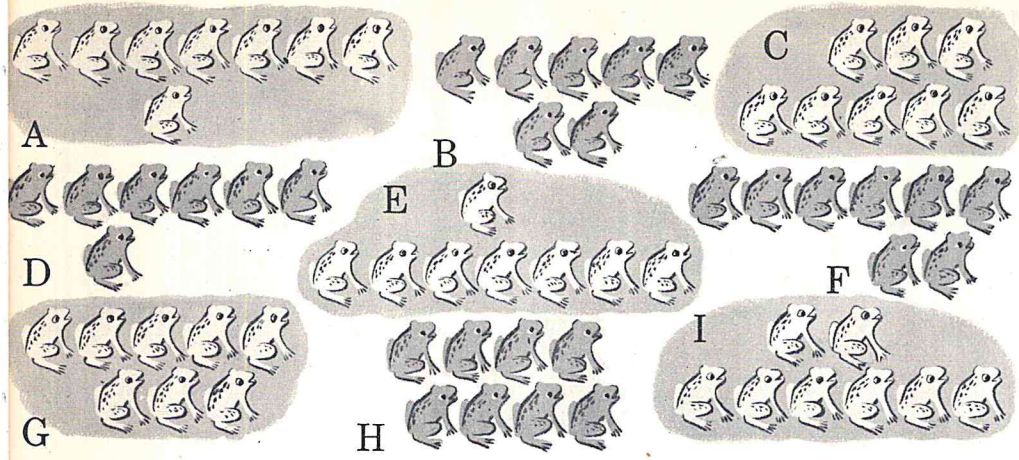
4. In picture D, how many frogs are on the log? 1 How many are on the sand? 7 How many frogs are in the picture? 8

C



D





Finding Groups of Frogs

C 1. Find the picture that has 3 frogs above and 5 below. How many frogs are in the picture? 8

A 2. Find the picture that has 7 frogs above and 1 below. How many frogs are in the picture? 8

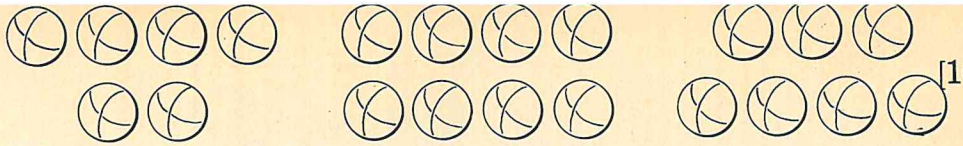
I 3. Find the picture that has 2 frogs above and 6 below. How many frogs are in the picture? 8

G 4. Find the picture that has 5 frogs above and 3 below. How many frogs are in the picture? 8

H 5. Find the picture that has 4 frogs above and 4 below. How many frogs are in the picture? 8

F 6. Find the picture that has 6 frogs above and 2 below. How many frogs are in the picture? 8

E 7. Find the picture that has 1 frog above and 7 below. How many frogs are in the picture? 8



A B C

Finding How Many in a Group

1. How many balls are there in picture A? 6 How many in picture B? 8 Are there more in picture A or in picture B? B

2. How many balls are there in picture C? 7 Are there more in picture C or in picture B? B

3. In which picture is the largest number of balls? the smallest number? B A

4. Make a picture with 5 balls above and 3 balls below. How many balls did you make? 8

5. Make a picture with 3 balls above and 5 balls below. How many balls did you make? 8

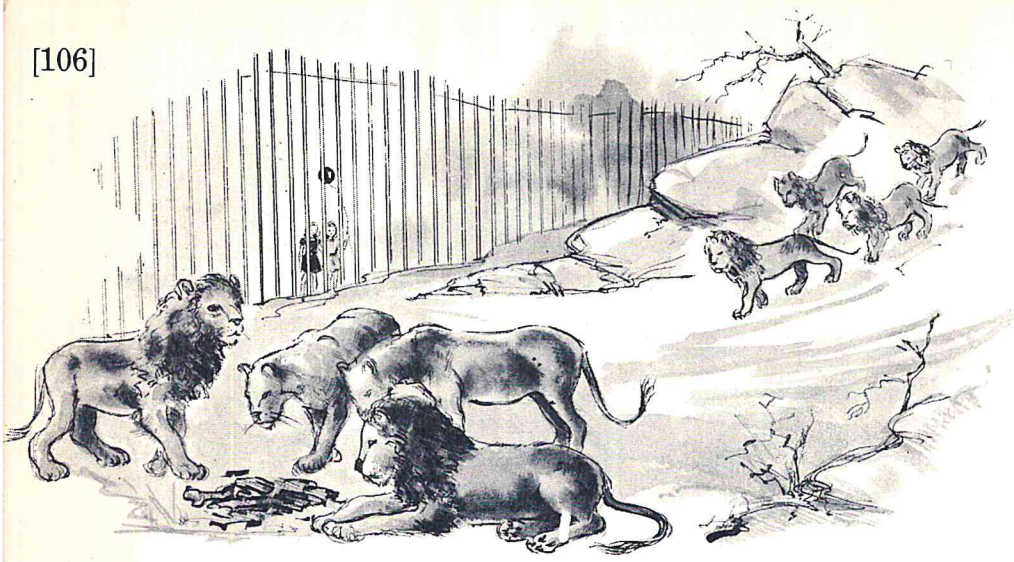
6. Make a picture with 7 balls above and 1 ball below. How many balls did you make? 8

7. Make a picture with 1 ball above and 7 balls below. How many balls did you make? 8

8. Make a picture with 6 balls above and 2 balls below. How many balls did you make? 8

9. Make a picture with 2 balls above and 6 balls below. How many balls did you make? 8

10. Make a picture with 4 balls above and 4 balls below. How many balls did you make? 8



At the Zoo

1. One day Grace and Ruth saw the man feed the lions at the zoo. At first, 4 lions were eating. Then 4 more lions came running. How many lions were eating then? 8 How many are 4 lions and 4 lions? 8 LIONS

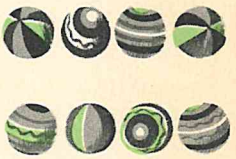
Look at the picture above. It shows what the number story tells. See the 4 lions eating and the 4 lions running to eat.

The picture below shows the answer to the question, "How many lions were eating then?" 4

2. Grace and Ruth went to see the monkeys. They saw 8 monkeys in a tree in the pen. Four monkeys climbed down. How many monkeys were in the tree then? 4
Think, 4 monkeys from 8 monkeys is ? monkeys? 4

The picture will help you find the answer. How many monkeys are there in the picture? 8
The story tells us that 4 of the monkeys climbed down. How many monkeys will be left in the tree when 4 of them come down? 4

3. In this picture, how many balls are there in the top row? 4 How many are there in the bottom row? 4
How many are 4 balls and 4 balls? 8 balls



4. Look at the picture again. How many balls are there in the picture? 8 If we take 4 balls away, how many balls will be left? 4 Think, 4 balls from 8 balls is ? balls? 4

5. Remember:

$$\begin{array}{r} 4 \\ +4 \\ \hline 8 \end{array} \qquad \begin{array}{r} 8 \\ -4 \\ \hline 4 \end{array}$$

Writing Answers

Write the examples below on your paper. Be sure to put the signs where they should be. The signs tell you to add or subtract. Think what each sign tells you to do. Then add or subtract. Write the answer for each of the examples.

	A	B	C	D	E	F
1.	2 +1 = 3	4 −2 = 2	5 −3 = 2	3 +1 = 4	6 −3 = 3	1 +4 = 5
2.	4 −3 = 1	5 +1 = 6	3 −2 = 1	4 +1 = 5	5 −1 = 4	2 +2 = 4
3.	1 +5 = 6	4 −1 = 3	3 +2 = 5	6 −2 = 4	3 +3 = 6	3 −1 = 2
4.	5 −2 = 3	1 +2 = 3	5 −4 = 1	1 +3 = 4	6 −5 = 1	2 +3 = 5
5.	4 +4 = 8	8 −4 = 4	2 +4 = 6	6 −1 = 5	4 +2 = 6	6 −4 = 2

Boats to Sail

Read each of these number stories. Find what happened in the story and what the question asks. Then find the answer to the question.

1. Bob had 4 boats. He made 4 more boats. How many did Bob have then? 8

2. Ann had 4 boats. Bob gave her 2 more. How many boats did Ann have then? 6

3. Four of Ann's boats had red sails. The sail came off 1 boat. How many of Ann's boats had red sails then? 3

4. Bob and Ann were sailing 8 of their boats. Four of the boats turned over. How many boats were sailing then? 4

5. Bob had 6 boats left after he gave some to Ann. Three of his boats sailed away and were lost. How many boats did Bob have then? 3

A

B

C

D

E

F

Quarters, Half-Dollars, and Dollars

The money in picture A is a quarter. It will buy as much as 25 pennies will buy.

1. There are 25 pennies in picture B. Will they buy as much as a quarter? yes

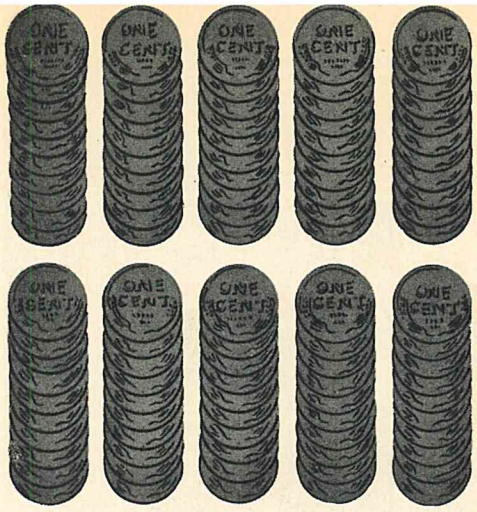
2. A quarter will buy as much as the nickels in picture C. How many nickels are there? 5 Count the nickels as fives. They will buy as much as how many pennies? 25

The money in picture D is a half-dollar. It will buy as much as 50 pennies.

3. There are 10 pennies in each group in picture E. Count the pennies by groups of ten. Will they buy as much as a half-dollar? yes

G

H



I

4. A half-dollar will buy as much as the dimes in picture F. How many dimes are there? 5 Count the dimes as tens. They will buy as much as how many pennies? 50

5. The money in picture G is a dollar. It will buy as much as 100 pennies. There are 10 pennies in each group in picture H. Count the pennies by groups of ten. Will they buy as much as a dollar? yes

6. A dollar will buy as much as the dimes in picture I. How many dimes are there? 10 Count the dimes as tens. They will buy as much as how many pennies? 100

7. Which picture below shows just as much money as a quarter; a half-dollar; a dollar? K J L

J

K

L

The Pet Show

Ruth and Ted are having a pet show. Find what the pets did in the show.

1. Ted had 6 dogs jump over a stick. Then one more dog came and jumped. How many dogs jumped over the stick? 7 How many are 6 dogs and 1 dog? 7 The picture will help you find the answer.

2. Ruth held up a large ring. One dog jumped through the ring. Then 6 more dogs jumped through the ring. How many dogs jumped through the ring? 7 How many are 1 dog and 6 dogs? 7 The picture above will help you find the answer.

3. Seven kittens were wearing funny hats. Six kittens lost their hats. How many of the kittens were wearing funny hats then? 1
Think, 6 kittens from 7 kittens is ? kittens? 1

4. The 7 kittens were on a ladder. One kitten jumped off. How many were on the ladder then? 6
Think, 1 kitten from 7 kittens is ? kittens? 6

5. Look at the picture above. How many are 6 rabbits and 1 rabbit? 7 How many are 1 rabbit and 6 rabbits? 7

6. If we take 6 rabbits away, how many will be left? 1 6 rabbits from 7 rabbits is ? rabbits? 1

If we take 1 rabbit away, how many will be left? 6 1 rabbit from 7 rabbits is ? rabbits? 6

7. Remember:

$$\begin{array}{r} 6 \\ +1 \\ \hline 7 \end{array} \qquad \begin{array}{r} 1 \\ +6 \\ \hline 7 \end{array} \qquad \begin{array}{r} 7 \\ -6 \\ \hline 1 \end{array} \qquad \begin{array}{r} 7 \\ -1 \\ \hline 6 \end{array}$$

Saying and Writing Answers

In the examples below, think what the signs tell you to do. Say the answers.

	A	B	C	D	E	F
1.	1	3	3	6	2	4
	+4	−2	+1	−1	+1	−3
	5	1	4	5	3	1
2.	2	1	5	2	4	1
	−1	+3	−4	+2	−1	+2
	1	4	1	4	3	3
3.	1	5	4	3	5	4
	+1	−1	+1	−1	+1	−2
	2	4	5	2	6	2

Write the examples below. Add or subtract. Write the answers.

	A	B	C	D	E	F
4.	6	2	5	3	8	3
	−5	+4	−2	+3	−4	+2
	1	6	3	6	4	5
5.	1	6	4	5	1	7
	+6	−2	+2	−3	+5	−1
	7	4	2	2	6	6
6.	6	4	7	2	6	6
	−4	+4	−6	+3	−3	+1
	2	8	1	5	3	7

Watching the Birds

Read each number story. Find what it tells you and what the question asks. Think what you should do to find the answer. When you know the answer, write it on your paper.

1. Dick and James were watching 6 robins under a tree in the park. Soon a blue bird came. How many birds were under the tree then? 7

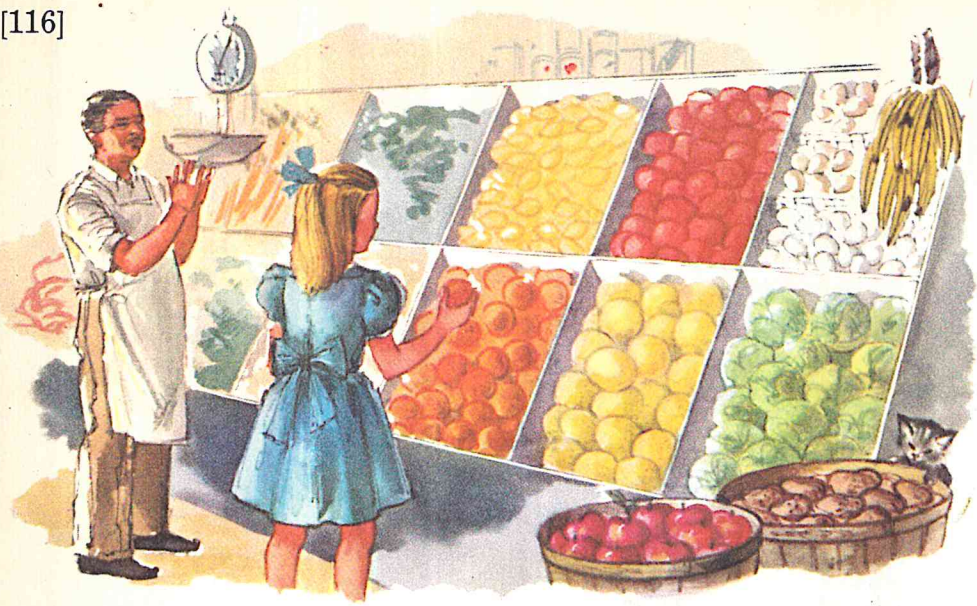
2. A robin was trying to pull a worm out of the ground. Three more robins tried to get the worm. How many robins tried to get the worm? 4

3. Seven birds were in the bird bath. A squirrel came, and 6 of the birds flew away. How many birds were in the bird bath then? 1

4. One robin was eating under a picnic table. Six more birds came to eat. How many birds were eating then? 7

5. Four birds were high in a tree. Three of them flew to the ground. How many birds were left in the tree? 1

6. Seven birds were eating at the bird's feeding table in a tree. One bird flew down to look for a worm. How many birds were eating at the feeding table then? 6



Buying Things for Mother

Jane went to the store for her mother. Jane said, "I want to buy a dozen oranges."

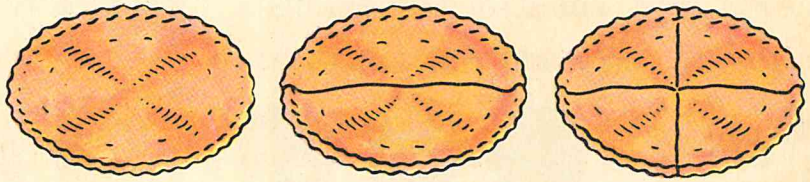
The man in the store put 12 oranges in a bag. Twelve oranges are the same as a dozen.

The man said, "Here are your oranges, Jane. They are 49 cents a dozen."

1. How much money should Jane give the man? 49¢
2. Is a dozen apples the same as 12 apples? yes
3. Is 12 of anything the same as a dozen? yes
4. Name the things in the picture above that are often sold by the dozen. Bananas, eggs, oranges carrots, etc.

In a matter of fact practically everything up there.

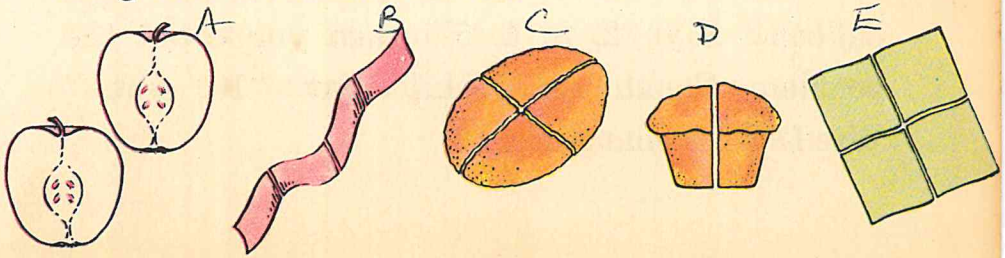
Mother made a pie for lunch. She cut the pie into 4 pieces that were just alike. The pictures show how she cut it.



1. First, Mother cut the pie into 2 pieces just alike. What part of the pie was each piece? 1/2
2. Next, she cut each piece of pie again. How many pieces of pie were there then? 1/4 4

One part of the pie was just as large as each of the other parts. Each part was one-fourth of the pie.

3. In the picture below, which things are cut into fourths? What do we call one part of each thing that is cut into fourths? B C E 1/4
4. Which things in the picture below are cut into halves? What do we call one part of each thing that is cut into halves? A D 1/2



Counting Money

Ann bought some candy for 2 cents. She gave the man in the store a dime. He gave Ann some money. He said, "Here is your change."

The man counted the change. The picture shows the candy and Ann's change.

1. The man said "2 cents" when he gave Ann the candy. Why did he say "2 cents"?
2. The man said "3, 4, 5" when he gave Ann the pennies. Why did he say this?
3. He said "10" when he gave Ann the nickel. Why did he say "10"?
4. David bought a balloon for 1 cent. He gave the man in the store a dime. The man gave David the change in the picture below.

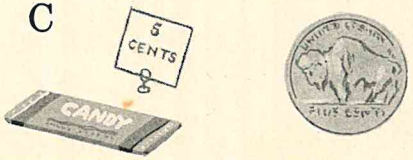
Count David's change. Say "1 cent" for the balloon. Say "2, 3, 4, 5" when you count the pennies. Count the nickel. Say "10 cents." Was David's change right?

5. Play that you bought the things in the pictures below and gave the man a dime for each of them. Count the change the man gave you. [119]

A

B

C



D

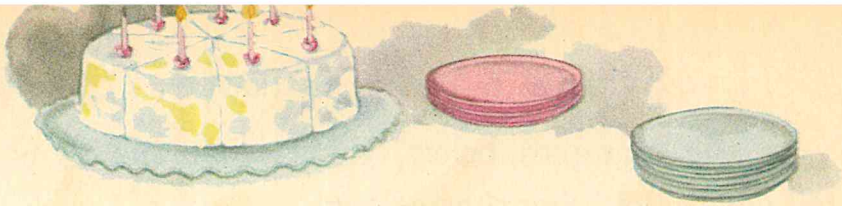
E

F

The Birthday Party

1. There were 4 girls and 3 boys at Ruth's birthday party. How many children were at the party? How many are 4 children and 3 children? The picture will help you find the answer.

2. Ruth made paper hats for the party. She made 3 tall hats and 4 round hats. How many hats did Ruth make in all? How many are 3 hats and 4 hats? The picture will help you find the answer.

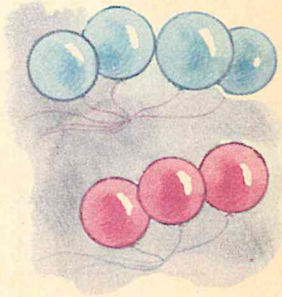


3. Ruth's mother put 7 candles on the cake. Ruth blew out 4 of them. How many were left burning? 3 Think, 4 candles from 7 candles is how many candles? 3 The picture above will help you.

4. Ruth's mother cut the cake into 7 pieces. Ruth put 3 pieces of cake on pink dishes and the others on blue dishes. How many pieces did Ruth put on blue dishes? 4 3 pieces from 7 pieces is how many pieces? 4

5. Look at the picture below. How many are 4 balloons and 3 balloons? 7 How many are 3 balloons and 4 balloons? 7

6. If we take 4 balloons away, how many will be left? 3 4 balloons from 7 balloons is ? balloons? 3



If we take 3 balloons away, how many will be left? 4 3 balloons from 7 balloons is how many balloons? 4

7. Remember:

$$\begin{array}{r} 4 \\ +3 \\ \hline 7 \end{array} \qquad \begin{array}{r} 3 \\ +4 \\ \hline 7 \end{array} \qquad \begin{array}{r} 7 \\ -4 \\ \hline 3 \end{array} \qquad \begin{array}{r} 7 \\ -3 \\ \hline 4 \end{array}$$

Saying and Writing Answers

In the examples below, think what the signs tell you to do. Say the answers.

	A	B	C	D	E	F
1.	5 − 4 = 1	4 − 2 = 2	1 + 3 = 4	5 − 3 = 2	2 + 2 = 4	4 + 1 = 5
2.	3 + 2 = 5	1 + 2 = 3	4 − 1 = 3	3 + 3 = 6	5 − 1 = 4	4 − 3 = 1
3.	6 − 3 = 3	5 − 2 = 3	2 + 3 = 5	2 − 1 = 1	3 + 1 = 4	1 + 4 = 5

Write the examples below. Add or subtract. Write the answers.

	A	B	C	D	E	F
4.	5 + 1 = 6	3 + 4 = 7	6 − 2 = 4	1 + 6 = 7	7 − 4 = 3	6 − 1 = 5
5.	7 − 6 = 1	8 − 4 = 4	4 + 2 = 6	7 − 1 = 6	4 + 4 = 8	1 + 5 = 6
6.	2 + 4 = 6	6 + 1 = 7	6 − 5 = 1	4 + 3 = 7	6 − 4 = 2	7 − 3 = 4

Read each number story below. Think what the story tells and what the question asks. Then think what you should do to find the answer. Find the answer and write it.

1. Grace and David went to the city one day. They went into 4 stores to see toys and 3 stores to see clothes. How many stores did they go into that day? 7

2. Grace had 6 cents. She spent 5 cents for paper dolls. How many cents did she have left? 1

3. David had 7 cents. He spent 3 cents for a balloon. How many cents did he have left? 4

4. David and Grace saw 3 fire trucks with ladders and 1 without ladders. How many fire trucks did they see? 4

5. The children saw 3 policemen on horses and 4 policemen on street corners. How many policemen did they see in all? 7

6. The children rode on 1 street car and 5 buses. How many times did they ride that day? 6

7. Grace watched while a man sold toy elephants on the street. The man had 7 elephants. He sold 4 of them. How many did he have left? 3

Making Sure You Know

1. Tell what number comes just before and what number comes just after each of these numbers:

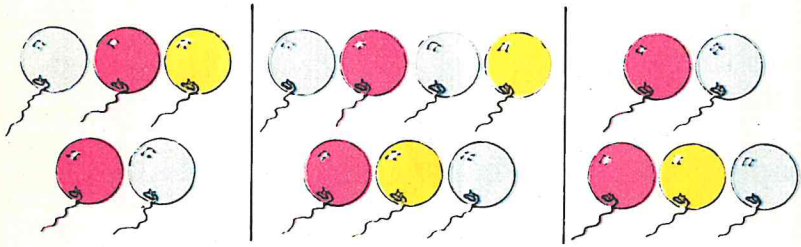
20 22 | 21 | 53 | 87 | 89 | 90 | 100 | 106 | 124 | 135

52 54 | 142 | 169 | 178

141 143 | 168 | 170 | 177 | 179

123 | 134

A B C



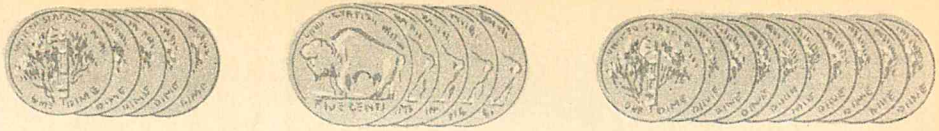
2. Look at the pictures above. In which picture are there more balloons, picture A or picture B? B

3. In which picture are there fewer balloons, picture B or picture C? C

4. In which two pictures are there the same number of balloons? A + C

5. Will the money in picture D, below, buy more or less than the money in picture E? more

D E



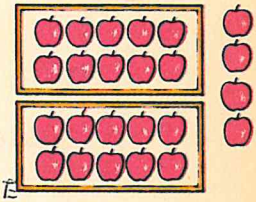
F G H

6. Which picture above shows just as much money as a dollar? H a half-dollar? F a quarter? H

7. How many apples are there in picture I? 12 This number means how many tens and how many more? 1 T + 2 MORE

I

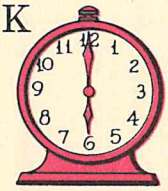
8. How many apples are there in picture J? 24 This number means how many tens and how many more? 2 T + 4 MORE

J 

9. One quart of milk will fill how many pint bottles? 2

10. One pint of milk will fill how many glasses? 2

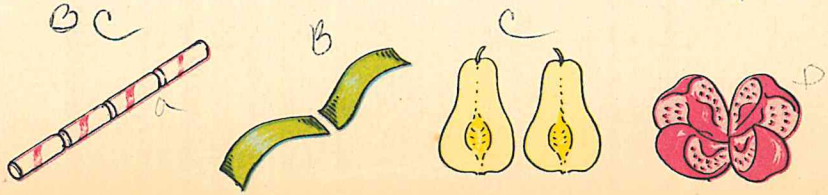
11. Look at the pictures of clocks below. Are the long hands all at 12? Yes What time is shown on each clock? 6 o'clock, 2 o'clock, 10 o'clock

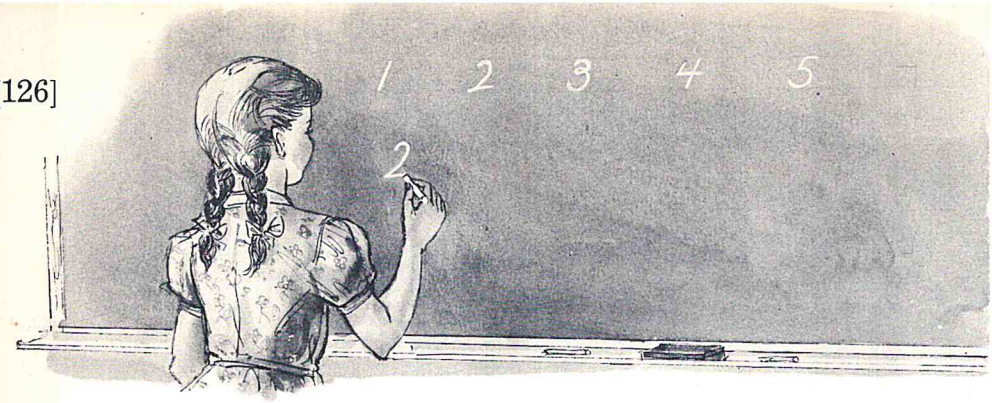
K 

L

M

12. In the pictures below, which things are cut into halves? Which are cut into fourths? C D

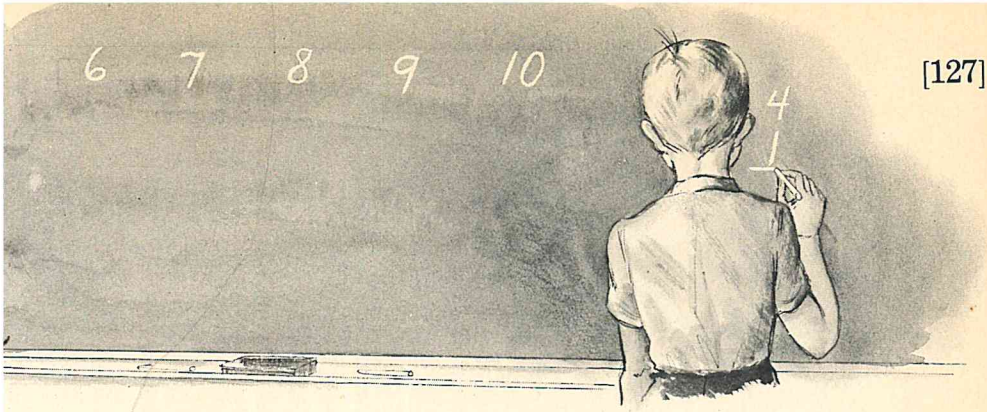




Making Sure You Know

Write the examples below. Add, and write the answers.

	A	B	C	D	E
1.	3 1 4	3 3 6	4 1 5	1 2 3	2 3 5
2.	4 2 6	1 1 2	5 1 6	4 3 7	1 3 4
3.	1 4 5	3 2 5	2 1 3	2 2 4	6 1 7
4.	3 4 7	1 6 7	4 4 8	1 5 6	2 4 6

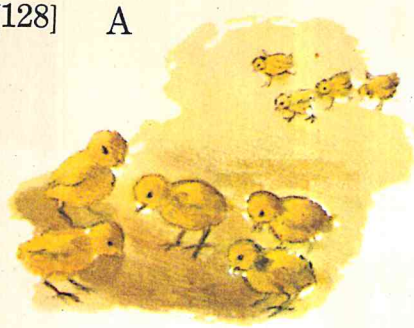


Making Sure You Know

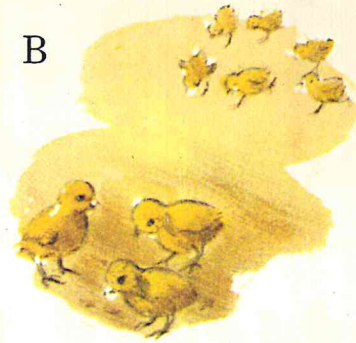
Write the examples below. Subtract, and write the answers.

	A	B	C	D	E
1.	4 1 3	6 3 3	5 1 4	3 2 1	5 3 2
2.	6 2 4	2 1 1	6 1 5	7 3 4	4 3 1
3.	5 4 1	5 2 3	3 1 2	4 2 2	7 1 6
4.	7 4 3	8 4 4	7 6 1	6 5 1	6 4 2

A



B



How Many Chickens in Each Group?

1. In picture A, how many chickens are eating? 5 How many are running to eat? 4 How many chickens are there in picture A? 9

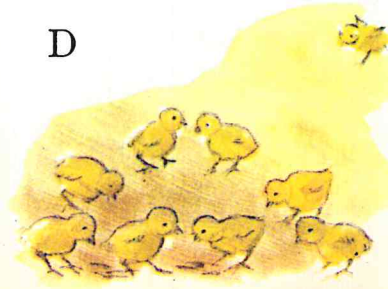
2. In picture B, how many chickens are eating? 3 How many are running to eat? 6 How many chickens are there in picture B? 9

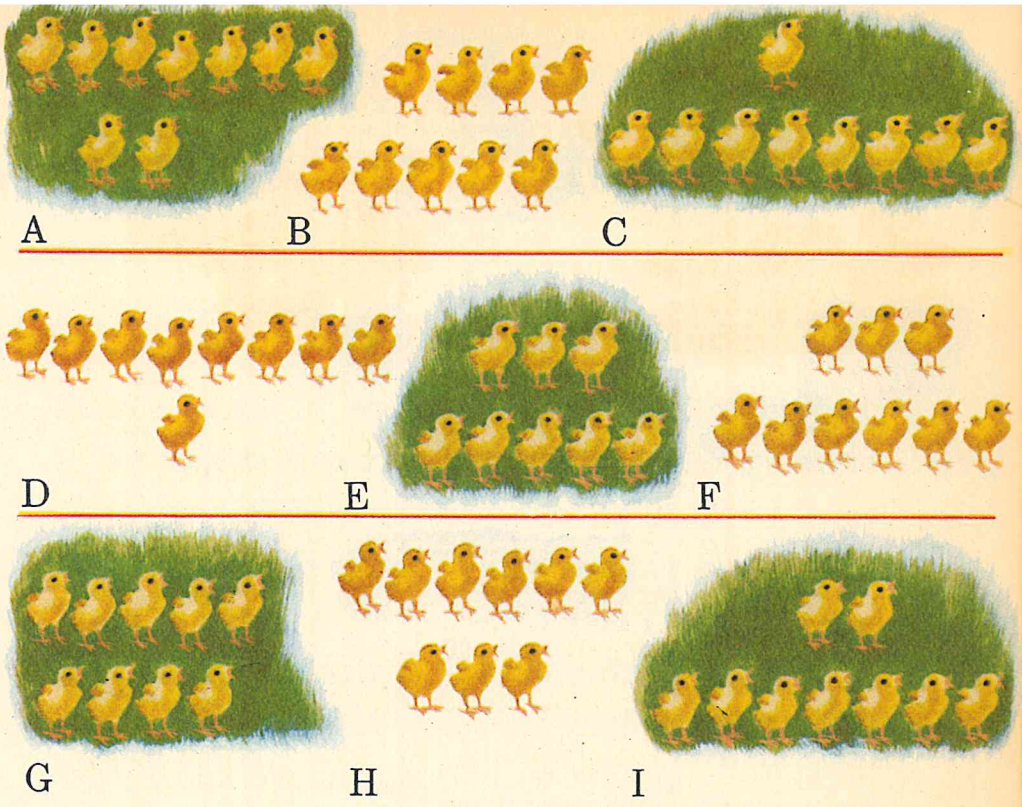
3. In picture C, how many chickens are eating? 2 How many are running to eat? 7 How many chickens are there in picture C? 9

4. In picture D, how many chickens are eating? 8 How many are running to eat? 1 How many chickens are there in picture D? 9

C

D





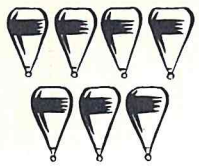
Finding Groups of Chickens

1. Find the picture that has 4 chickens above and 5 below. How many chickens are there in the picture? B 9

2. Find the picture with 1 chicken above and 8 below. How many chickens are in the picture? C 9

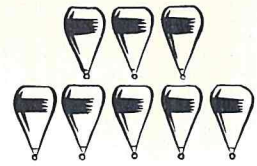
3. Find the picture with 6 chickens above and 3 below. How many chickens are in the picture? H 9

4. Find the picture with 7 chickens above and 2 below. How many chickens are in the picture? G 9



A

B



C

Finding How Many in a Group

A - 7
B - 9
C - 8

1. How many tops are there in each picture above? 7 9 8 Which picture has the largest number of tops? B Which picture has the smallest number? A

2. Make a picture with 8 tops above and 1 top below. How many tops did you make? 9

3. Make a picture with 1 top above and 8 tops below. How many tops did you make? 9

4. Make a picture with 7 tops above and 2 tops below. How many tops did you make? 9

5. Make a picture with 2 tops above and 7 tops below. How many tops did you make? 9

6. Make a picture with 6 tops above and 3 tops below. How many tops did you make? 9

7. Make a picture with 3 tops above and 6 tops below. How many tops did you make? 9

8. Make a picture with 5 tops above and 4 tops below. How many tops did you make? 9

9. Make a picture with 4 tops above and 5 tops below. How many tops did you make? 9

A B C

Dollars, Half-Dollars, and Quarters

1. The money in picture A will buy as much as a dollar will buy. How many half-dollars are there in the picture? 2 How many half-dollars will buy as much as a dollar? 2

2. The money in picture C will buy as much as a dollar. How many quarters are there in the picture? 4 How many quarters will buy as much as a dollar? 4

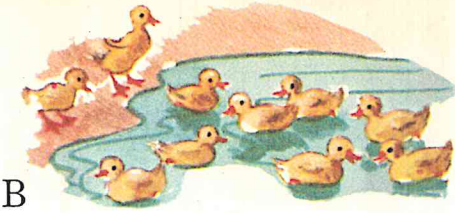
3. The money in picture D will buy as much as a half-dollar. How many quarters are there in the picture? 2 How many quarters will buy as much as a half-dollar? 2

D

Look at the pictures again and answer these questions:

4. Will one dollar buy as much as two half-dollars? yes
5. Will one dollar buy as much as four quarters? yes
6. Will one half-dollar buy as much as two quarters? yes

A



B

How Many Ducks in Each Group?

1. In picture A, how many ducks are on the water? 1 How many ducks are out of the water? 9 How many ducks are there in the picture? 10

2. In picture B, how many ducks are on the water? 2 8 How many ducks are out of the water? 2 How many ducks are there in the picture? 10

3. In picture C, how many ducks are on the water? 3 How many are out of the water? 7 How many ducks are in the picture? 10

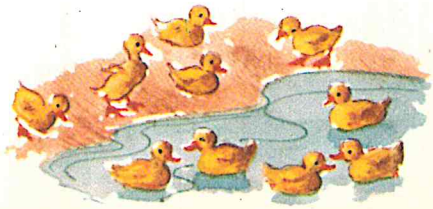
C

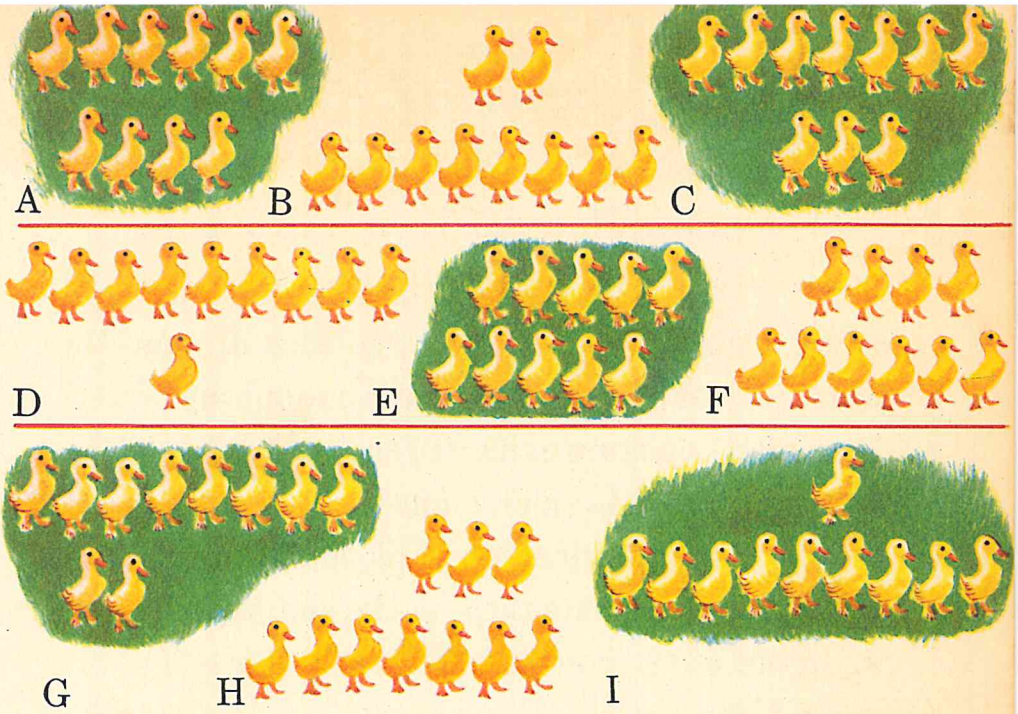
4. In picture D, how many ducks are on the water? 6 How many are out of the water? 4 How many ducks are in the picture? 10

5. In picture E, how many ducks are on the water? 5 How many are out of the water? 5 How many ducks are in the picture? 10

D

E





Finding Groups of Ducks

E 1. Find the picture that has 5 ducks above and 5 below. How many ducks are in the picture? 10

F 2. Find the picture that has 4 ducks above and 6 below. How many ducks are in the picture? 10

C 3. Find the picture that has 7 ducks above and 3 below. How many ducks are in the picture? 10

B 4. Find the picture that has 2 ducks above and 8 below. How many ducks are in the picture? 10

D 5. Find the picture that has 9 ducks above and 1 below. How many ducks are in the picture? 10

A B C

Finding How Many in a Group

1. How many blocks are there in each picture above? Which picture has the largest number of blocks? Which has the smallest number?

2. Make a picture with 9 blocks above and 1 block below. How many blocks did you make?

3. Make a picture with 1 block above and 9 blocks below. How many blocks did you make?

4. Make a picture with 8 blocks above and 2 blocks below. How many blocks did you make?

5. Make a picture with 2 blocks above and 8 blocks below. How many blocks did you make?

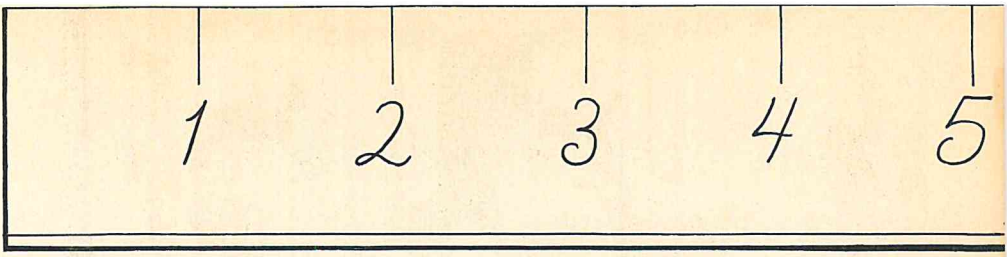
6. Make a picture with 7 blocks above and 3 blocks below. How many blocks did you make?

7. Make a picture with 3 blocks above and 7 blocks below. How many blocks did you make?

8. Make a picture with 6 blocks above and 4 blocks below. How many blocks did you make?

9. Make a picture with 4 blocks above and 6 blocks below. How many blocks did you make?

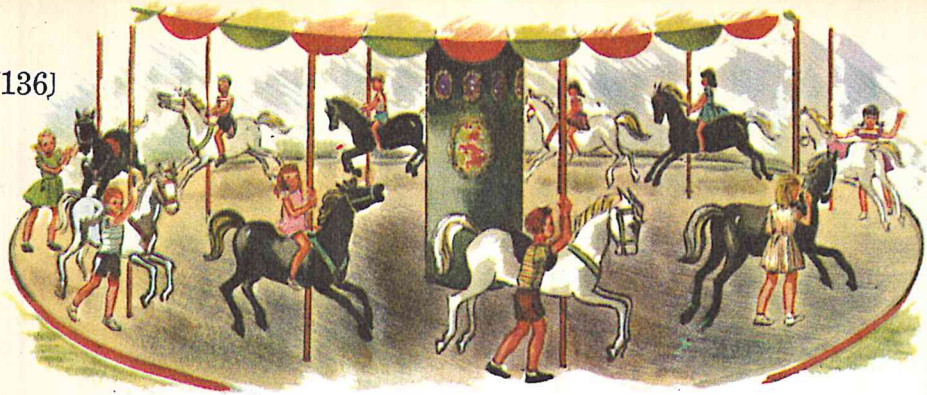
10. Make a picture with 5 blocks above and 5 blocks below. How many blocks did you make?



Making Cards

Sally made some cards for her friends. She used a ruler with marks like those on the picture above. Find what the marks mean.

1. Find the mark above the 1 on the ruler. This mark is 1 inch from the left end of the ruler.
2. Find the mark above each of the other numbers on the ruler. It is an inch from one mark to the next on the ruler. Count the inches.
3. Find the mark above the 2 on the ruler. This mark is 2 inches from the left end of the ruler.
4. How many inches is it from the left end of the ruler to the 3? to the 4? to the 5? 3 in, 4 in. 5 in.
5. Sally made a card 5 inches long and 3 inches wide. Use a ruler to make a picture 5 inches long and 3 inches wide.
6. Make a line 12 inches long. It is 1 foot long. A foot is 12 inches.
7. Use a yardstick to make a line 1 yard long. The line will be 36 inches long. A yard is 36 inches.

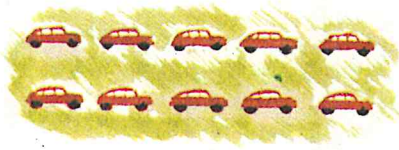


The Merry-Go-Round

1. One day a merry-go-round came to town. Bob counted the ponies. There were 5 black and 5 white ponies. How many ponies were there in all? 10 How many are 5 ponies and 5 ponies? 10

2. Ten children went for a ride on the ponies. When the merry-go-round stopped, 5 children got off. How many children stayed on the ponies? 5 Think, 5 children from 10 children is how many children? 5

3. Look at the picture at the right. How many are 5 cars and 5 cars? 10



4. How many cars will be left if we take 5 cars away? 5 5 cars from 10 cars is how many cars? 5

5. Remember:

$$\begin{array}{r} 5 \\ +5 \\ \hline 10 \end{array} \qquad \begin{array}{r} 10 \\ -5 \\ \hline 5 \end{array}$$

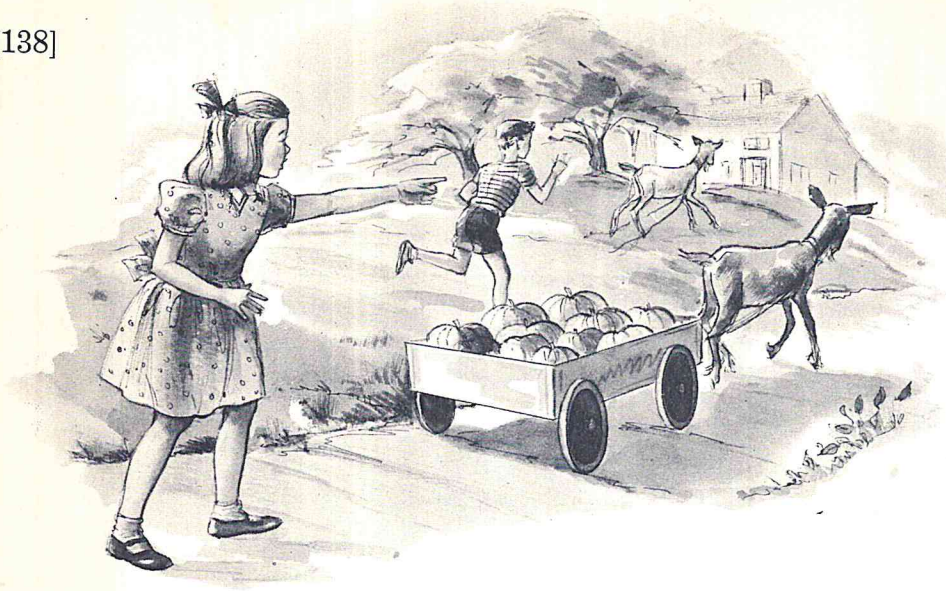
Saying and Writing Answers

In the examples below, think what the signs tell you to do. Say the answers.

	A	B	C	D	E	F
1.	5	2	6	3	5	1
	−2	+2	−5	+2	−1	+4
	3	4	1	5	4	5
2.	5	4	1	5	1	4
	+1	−1	+5	−3	+3	−2
	6	3	6	2	4	2

Write the examples below with their signs. Add or subtract, and write the answers.

	A	B	C	D	E	F
3.	6	3	5	4	4	2
	−1	+1	−4	+1	−3	+3
	5	4	1	5	1	5
4.	3	7	5	6	1	6
	+4	−1	+5	−4	+6	−3
	7	6	10	2	7	3
5.	2	10	7	4	6	4
	+4	−5	−4	+4	−2	+2
	6	5	3	8	4	6
6.	8	6	4	7	3	7
	−4	+1	+3	−6	+3	−3
	4	7	7	1	6	4



In the Country

A number story tells us something and asks a question. The answer to the question is the end of the story. Read each number story and find the answer to the question. See if the answer really tells how the story ends.

1. Jane and Ted went for a visit in the country. They had 2 goats pulling a wagon. One goat broke the rope and ran away. How many goats were pulling the wagon then? 1

Is your answer 1 goat? yes Does this answer really tell how the story ends? yes Was 1 goat pulling the wagon after 1 goat ran away? yes

2. Jane and Ted put 2 large baskets of corn and 3 small baskets of corn in a wagon to give to the pigs. How many baskets of corn did they have in the wagon? 5

When you know the answer, see if it really tells the end of the story. Does it tell how many baskets of corn they had in the wagon? yes

3. Jane and Ted put 5 large pumpkins and 5 small pumpkins in the wagon. How many pumpkins did they have in the wagon? 10

When you know the answer, see if it really tells the end of the story.

4. Ted saw some cows in a field. There were 3 black-and-white cows and 3 brown cows. How many cows did Ted see in the field? 6

5. Jane brought 6 large apples to Mrs. Brown for a pie. Mrs. Brown used 4 of the apples. How many apples were left? 2

6. Mrs. Brown asked Jane to get some eggs to make a cake. Jane had 10 eggs in a basket. As she ran to the house, 5 of the eggs broke. How many eggs did Jane have left? 5

7. Ted brought in some wood for the fire. He brought 5 long pieces and 1 short piece. How many pieces of wood did Ted bring in? 6

Counting Change

1. Bob bought a ball for 7 cents. He gave the man in the store a quarter. Bob counted the change to see that it was right. Find how he counted his change.

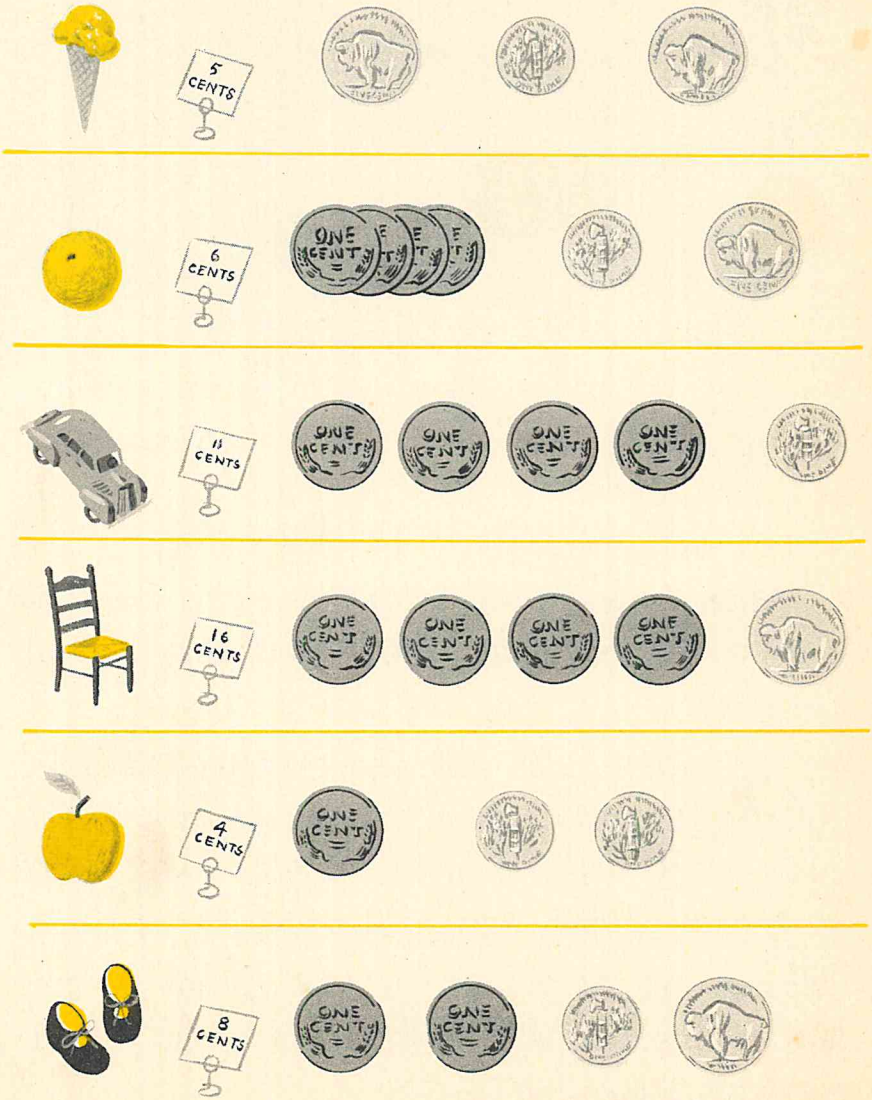
Bob thought "7 cents." That is what the ball cost. Then he counted the three pennies. He said "8, 9, 10." Then Bob counted the dime as 10 cents more. He said "20 cents."

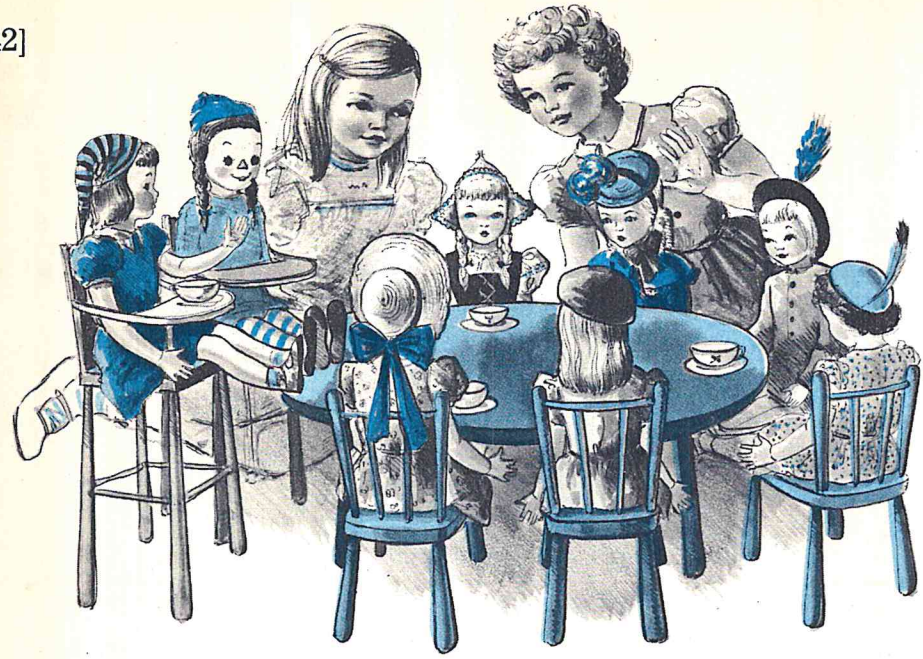
Next, Bob counted the nickel as 5 cents. He said "25 cents." Why did he say "25 cents"? Was his change right?

2. Play that you bought a boat for 10 cents and gave the man a quarter. Count the change in the picture below.

Think "10 cents." That is what the boat cost. Then count the dime as 10 cents more. Now count the nickel as 5 cents more. What is the last number you said? Is the change right?

3. Play that you bought the things in the pictures and gave the man in the store a quarter for each of them. Count the change he gave you. [141]





A Party for the Dolls

Ann and Grace are having a party for their dolls at Ann's home. Find what they did at the party.

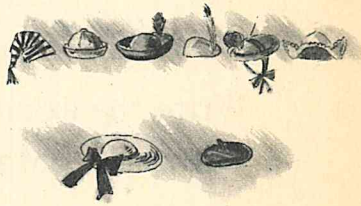
1. Ann had 6 dolls and Grace brought 2 more dolls to the party. How many dolls were at the party in all? How many are 6 dolls and 2 dolls?

2. When the party began, the girls put 2 of the dolls on high chairs and 6 dolls on low chairs. How many dolls did they put on chairs? How many are 2 dolls and 6 dolls?

3. Ann's puppy ran under the chairs the 8 dolls were sitting on. Six dolls fell off their chairs. How many dolls were on chairs then? Think, 6 dolls from 8 dolls is how many dolls?

4. The 8 dolls had hats on when the party began. Two dolls lost their hats. How many dolls had hats on then? Think, 2 dolls from 8 dolls is how many dolls?

5. Look at the picture of the hats. How many are 6 hats and 2 hats? How many are 2 hats and 6 hats?



6. If you took 6 hats away, how many would be left? Think, 6 hats from 8 hats is how many hats? If you took 2 hats away, how many hats would be left? Think, 2 hats from 8 hats is how many hats?

7. Remember:

$$\begin{array}{rrrr} 6 & 2 & 8 & 8 \\ +2 & +6 & -6 & -2 \\ \hline 8 & 8 & 2 & 6 \end{array}$$

Writing Answers

Write the examples below. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
1.	2	3	6	3	5	1	6
	4	2	1	4	1	4	2
	6	5	7	7	6	5	8
2.	1	2	5	3	4	1	3
	6	3	5	3	2	5	1
	7	5	10	6	6	6	4
3.	4	2	4	4	1	2	1
	4	6	3	1	3	2	2
	8	8	7	5	4	4	3

Write the examples below. Subtract, and write the answers. Make the numbers carefully.

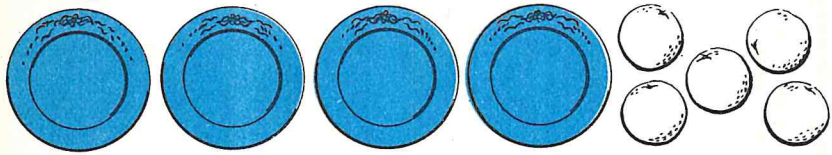
	A	B	C	D	E	F	G
4.	6	7	5	8	6	4	6
	3	6	1	4	1	2	4
	3	1	4	4	5	2	2
5.	5	10	7	6	5	8	6
	2	5	3	2	4	6	5
	3	5	4	4	1	2	1
6.	3	4	8	5	7	4	7
	1	3	2	3	4	1	1
	2	1	6	2	3	3	6

Buying Animal Cookies

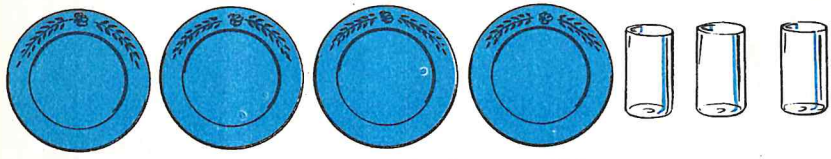
The children brought animal cookies to school and sold them.

1. James bought 3 rabbit cookies and 2 bear cookies. How many cookies did he buy?
2. Sally had 5 cents. She spent 2 cents for an elephant cookie. How much money did Sally have then?
3. Bob had 8 cents. He spent 2 cents for a tiger cookie. How many cents did Bob have left?
4. Ann bought 2 lion cookies and 6 puppy cookies. How many cookies did she buy?
5. Jane spent 6 cents for elephant cookies and 2 cents for bear cookies. How many cents did she spend in all?
6. Ruth sold 3 rabbit cookies and 4 bear cookies. How many cookies did Ruth sell?
7. Ted had 8 cents. He spent 6 cents for elephant cookies. How much money did Ted have then?
8. David had 8 cents. He spent 4 cents for lion cookies. How much money did David have then?

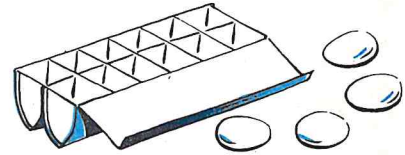
1. Mother will put oranges on the plates for breakfast. Are there enough oranges to put one on each plate? Are there more or fewer oranges than plates?



2. Sally wants to put a glass by each plate. Are there more or fewer glasses than plates?



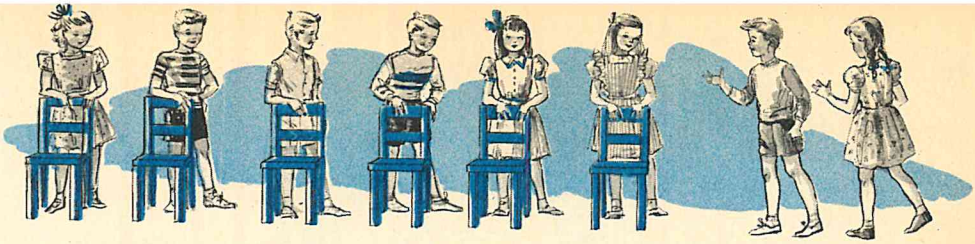
3. Look at the picture below. How many eggs will the box hold? Are there more eggs than the box will hold, or fewer?



4. The next picture shows Ted's and Bob's money. How much money does each boy have? Who has less money, Ted or Bob? How much less money does he have? The picture will help you.

TED'S MONEY

BOB'S MONEY



5. How many children are in the picture above? How many chairs are there? Are there more children than chairs? How many more?

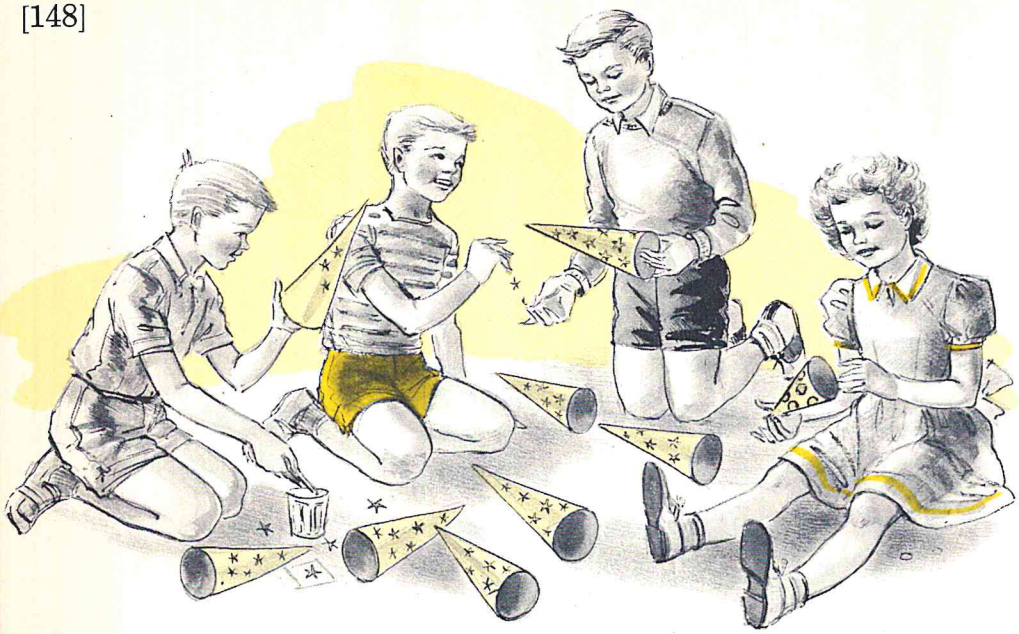
6. The picture below shows David's money and Dick's money. How much does each boy have? Which boy has more money? How much more money does he have?

DAVID'S MONEY

DICK'S MONEY

7. Look at the picture at the right. In which row are there fewer shoes? How many fewer?

8. Which is less, a dime or a nickel? How much less? Think, 5 cents from 10 cents is how many cents?

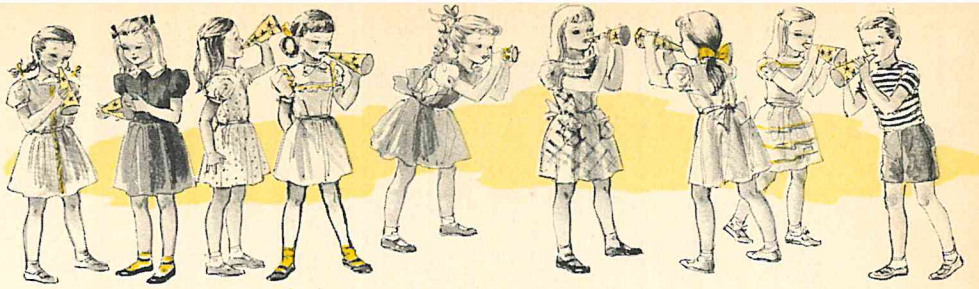


Making Horns for the Band

One day the children made some horns for the band. Find how many horns they made and what they did with the horns.

1. The boys made 8 large horns. Ann made 1 small horn. How many horns did the children make in all? How many are 8 horns and 1 horn?

2. Ann put dots on 1 horn. The boys put stars on 8 horns. On how many horns did the children put dots or stars? How many are 1 horn and 8 horns?

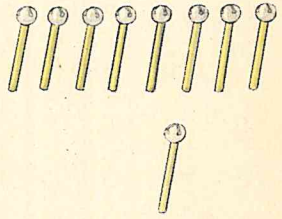


3. The boys and girls played 9 horns in the band. Girls played 8 of the horns. How many horns did the boys play? 8 horns from 9 horns is how many horns?

4. While the children were playing the 9 horns, 1 horn broke. How many horns were left? 1 horn from 9 horns is how many horns?

5. Look at the picture below. How many are 8 bells and 1 bell? How many are 1 bell and 8 bells?

6. If you took 8 bells away, how many would be left? Think, 8 bells from 9 bells is how many bells? If you took 1 bell away, how many would be left? Think, 1 bell from 9 bells is how many bells?



7. Remember:

8	1	9	9
+1	+8	−8	−1
9	9	1	8

Writing Answers

Write the examples below. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
1.	2	1	6	3	1	8	4
	3	1	2	3	4	1	3
	5	2	8	6	5	9	7
2.	6	4	1	2	3	2	1
	1	4	8	1	2	4	5
	7	8	9	3	5	6	6
3.	1	2	5	3	1	5	4
	2	6	1	4	6	5	2
	3	8	6	7	7	10	6

Write the examples below. Subtract, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
4.	2	6	5	6	3	9	8
	1	4	1	3	2	8	4
	1	2	4	3	1	1	4
5.	7	9	3	5	6	8	7
	3	1	1	2	1	2	4
	4	8	2	3	5	6	3
6.	10	6	7	6	5	8	7
	5	2	6	5	3	6	1
	5	4	1	1	2	2	6

Playing in the Snow

The number stories below are about playing in the snow. Think what each story tells and what the question asks. Find the answer. Then see if it really tells the end of the story.

1. Six girls started down the hill on their sleds. One girl's sled turned over. How many girls went down the hill on sleds?

2. James brought a long sled. He asked 8 boys to ride with him. Then how many boys were riding on James' sled?

3. Ted made 9 snowballs. He threw 1 at a fence. How many snowballs did he have then?

4. The girls made 1 little snowball. Then they made 6 big snowballs. How many snowballs did they make?

5. The girls had 6 big snowballs. They used 3 of the snowballs to make a snow man. How many big snowballs did they have left?

6. The boys made 9 big blocks of snow. They used 8 of them to make a snow house. How many blocks of snow did they have left?

7. The girls made 8 pictures of animals in the snow. The boys made 1 more picture. How many pictures did the children make in all?

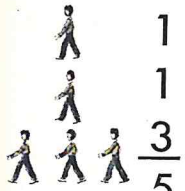
More Fun in the Snow

1. Ted was going to ride down the hill on his long sled. One more boy came to ride. Then 3 more boys came to ride. How many boys were on the sled then?

We add 1 and 1 and 3 to find the answer. These pictures and words will help you.

One boy was on the sled. One more boy came. How many boys were on the sled then? Add 1 and 1. Think 2.

Soon 3 more boys came. How many boys were on the sled then? Think, 2 and 3 more are 5. There were 5 boys on the sled then.

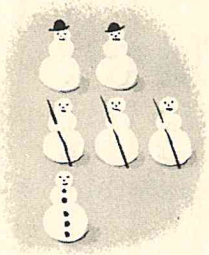


1
1
3
5

The numbers at the left show how to write the example. We add 1 and 1. We think 2. We remember the 2 and add 3 to it. We think, 2 and 3 are 5. The answer is 5 boys.

2. Jane made 2 snow men. Ann made 3 more. Then Grace made 1 more snow man. How many snow men did the girls make in all?

We add 2 and 3 and 1 to find the answer. The pictures below will help you.



2
3 Add 2 and 3. Think 5.
1 Add 1 to the 5. Think 6.
6 The answer is 6 snow men.

3. Dick made 4 snowballs. David made 2 more. Then James made 1 more snowball. How many snowballs did the boys make in all?

We add 4 and 2 and 1 to find the answer. The pictures below will help you.

4
2 Add 4 and 2. Think 6.
1 Add 1 to the 6. Think 7.
7 The answer is 7 snowballs.

Adding More Than Two Numbers

1. Read the example at the left. Then read the words at the right.

3 tops	
1 top	Add 3 and 1. Think 4.
3 tops	Add 3 more. Think 7.
7 tops	The answer is 7 tops.

2. Write the numbers in the example below. Add, and write the answer.

5	
1	Think, 5 and 1 are ?
2	Now add 2 more.
	What is the answer?

3. Write the examples below. Be sure to put the numbers one just under the other. Add, and write the answers.

A	B	C	D	E	F	G	H
1	1	4	1	3	3	2	1
1	2	1	2	3	2	6	1
1	2	1	4	2	5	1	4

These number stories tell us more than two things. Read each story. Find all the things it tells and what the question asks. Write the numbers and find the answer to the question.

1. Ruth had 5 dolls. Her mother gave her 1 more doll. Then Ruth bought 1 doll. How many dolls did Ruth have then?

Think, "Ruth had 5 dolls." Then write: 5
Think, "Mother gave her 1 doll." Write: 1
Think, "Then Ruth bought 1 doll." Write: 1
Add, to find how many dolls Ruth had.

2. Dick spent 2 cents for a balloon, 3 cents for a pencil, and 5 cents for some paper. How much money did Dick spend?

How much did Dick spend for a balloon? Write this number.

How much did he spend for a pencil? Write this number just under the 2.

How much did Dick spend for some paper? Write this number just under the 3.

Add, and write the answer.

3. James had 2 dimes. His father gave him 2 more dimes. His mother gave him 4 dimes. How many dimes did James have in all?

Making Drums for the Band

The children made some drums from boxes. Find how many they made and what they did with the drums.

1. The boys brought 5 round boxes to use for drums. The girls brought 2 round boxes. How many boxes did the children have in all? How many are 5 boxes and 2 boxes?

2. The girls made 2 drums. The boys made 5 drums. How many drums did the children make in all? How many are 2 drums and 5 drums?

3. The children made 7 drums. They painted 5 of the drums red. How many drums were not painted? 5 drums from 7 drums is ? drums?

4. The children were beating the 7 drums. They broke 2 drums. How many drums were not broken? 2 drums from 7 drums is ? drums?

5. Look at the picture above. How many are 5 hats and 2 hats? How many are 2 hats and 5 hats?

6. If we take 5 hats from 7 hats, how many hats will be left? If we take 2 hats from 7 hats, how many hats will be left?

7. Remember:

$$\begin{array}{r} 5 \\ +2 \\ \hline 7 \end{array} \qquad \begin{array}{r} 2 \\ +5 \\ \hline 7 \end{array} \qquad \begin{array}{r} 7 \\ -5 \\ \hline 2 \end{array} \qquad \begin{array}{r} 7 \\ -2 \\ \hline 5 \end{array}$$

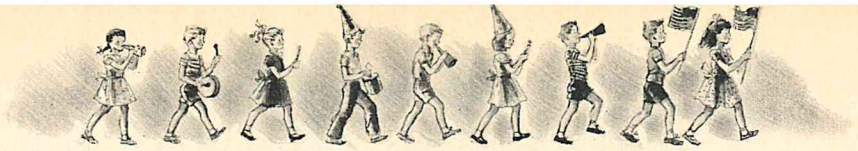
Writing Answers

Write the examples below. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
1.	4	4	1	3	5	6	2
	4	1	8	4	1	2	3
	8	5	9	7	6	8	5
2.	8	5	2	6	2	1	4
	1	5	4	1	5	4	3
	9	10	6	7	7	5	7
3.	1	3	5	3	1	4	2
	6	2	2	3	5	2	6
	7	5	7	6	6	6	8

Write the examples below. Subtract, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
4.	6	10	5	7	9	6	8
	1	5	4	3	8	4	6
	5	5	1	4	1	2	2
5.	5	9	7	6	8	5	7
	2	1	5	2	4	1	4
	3	8	2	4	4	4	3
6.	7	6	7	8	7	6	5
	1	3	6	2	2	5	3
	6	3	1	6	5	1	2



Playing in the Band

Read each story below. Think what happens in the story and what the question asks. Then find the answer to the question.

1. The girls had 2 bells to ring. This was not enough. They brought 5 more bells. How many bells did they have then?

2. The boys had 3 large drums to beat. Then they brought 4 small drums. How many drums did they have in all?

3. The girls had 5 horns to blow. Miss Clark gave them 2 more horns. How many horns did they have then?

4. The boys had 7 flags to carry in the band. They used only 2 of the flags. How many flags were not used?

5. They made 6 tall hats to wear in the band. Only 2 hats were large enough to wear. How many hats were too small?

6. Seven girls had horns to blow. Five girls gave their horns to the boys. How many girls had horns then?

More, Less, and Fewer

Read each number story below. Think what the story tells and what the question asks. Then find the answer to the question.

1. James spent 5 cents for a top. David spent 3 cents for a whistle. How much more money did James spend than David?

Think, James spent 5 cents and David spent 3 cents.

Think, 5 cents is how much more than 3 cents?

You can find the answer to the question by subtracting.

Think, 3 cents from 5 cents is how many cents?

2. Ruth has 7 doll hats. She has 4 dolls. How many fewer dolls than hats does she have?

What does the story tell you? Four things are how many fewer than 7 things? Think, 4 hats from 7 hats is how many hats?

3. Ted has 6 cents. Bob has 5 cents. How much less money does Bob have than Ted?

Five cents is how much less money than 6 cents?

Think, 5 cents from 6 cents is how many cents?

4. Grace has 5 oranges and 4 apples. How many fewer apples than oranges does she have?

5. A toy car costs 7 cents. A balloon costs 3 cents. The balloon costs how much less than the car?

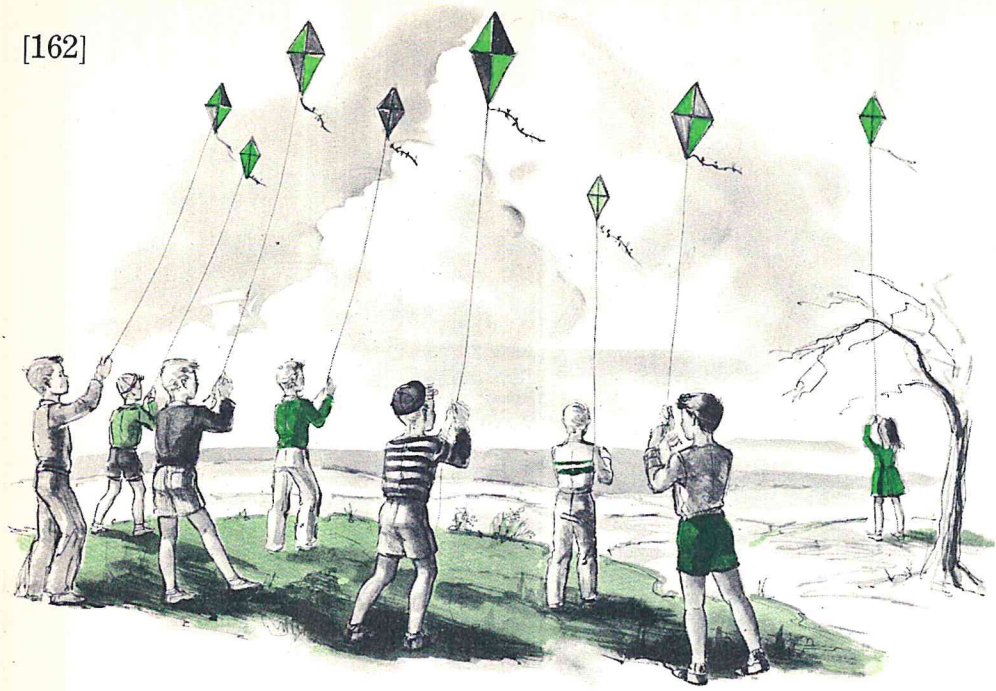
6. Ann has 5 large dolls. She has 1 small doll. How many more large dolls than small dolls does she have?

7. Sally has 7 cents. Jane has 1 cent. How much more money does Sally have than Jane?

Writing Answers

Write the examples below. In each example put the numbers one just under the other. Add, and write the answers.

	A	B	C	D	E	F	G
1.	1	2	1	1	1	4	3
	5	1	3	1	3	2	1
	2	2	3	5	1	2	4
	8	5	7	7	5	8	8
2.	1	4	6	1	4	2	1
	2	1	2	1	4	4	4
	1	5	1	2	1	2	2
	4	10	9	4	9	8	9

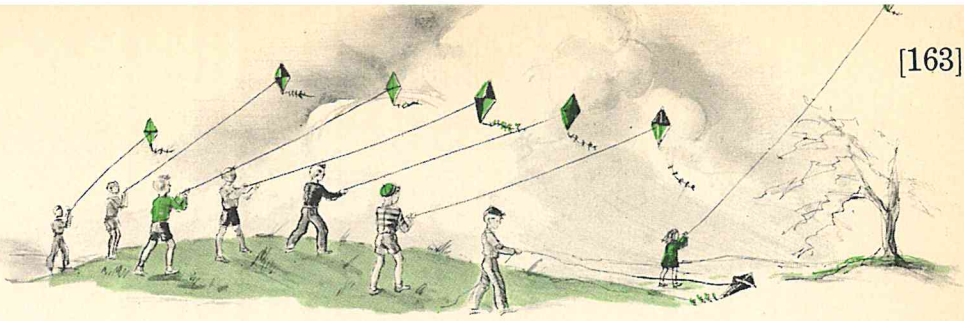


Making Kites

One day the children made some kites. Find how many they made and what they did with the kites.

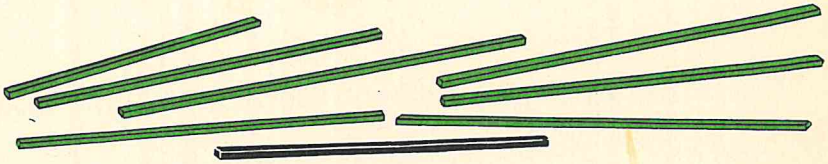
1. The boys made 7 kites. Ruth made 1 more. How many kites did the children make? How many are 7 kites and 1 kite?

2. Ruth was first to get to the field. She flew 1 kite. Then the boys came and flew 7 kites. How many kites did the children fly? How many are 1 kite and 7 kites?



3. The 8 kites were flying high. The boys pulled 7 of them down. How many kites were flying then? 7 kites from 8 kites is ? kites?

4. All of the 8 kites had tails on them. The tail came off of 1 kite. How many kites had tails then? 1 kite from 8 kites is ? kites?



5. Look at the picture above. How many are 7 sticks and 1 stick? How many are 1 stick and 7 sticks?

6. If we take 7 sticks from 8 sticks, how many sticks will be left? If we take 1 stick from 8 sticks, how many sticks will be left?

7. Remember:

$$\begin{array}{r} 7 \\ +1 \\ \hline 8 \end{array} \qquad \begin{array}{r} 1 \\ +7 \\ \hline 8 \end{array} \qquad \begin{array}{r} 8 \\ -7 \\ \hline 1 \end{array} \qquad \begin{array}{r} 8 \\ -1 \\ \hline 7 \end{array}$$

Writing Answers

Write the examples below. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
1.	6	2	3	2	1	1	2
	2	4	3	5	6	8	3
	8	6	6	7	7	9	5
2.	4	7	1	8	2	4	1
	4	1	3	1	6	3	4
	8	8	4	9	8	7	5
3.	5	1	3	4	1	3	5
	2	5	4	2	7	2	5
	7	6	7	6	8	5	10

Write the examples below. Subtract, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
4.	9	8	5	8	6	7	5
	1	4	3	2	1	5	1
	8	4	2	6	5	2	4
5.	8	6	7	6	5	8	7
	6	4	1	3	2	1	4
	2	2	6	3	3	7	3
6.	10	7	4	8	7	9	6
	5	2	1	7	3	8	2
	5	5	3	1	4	1	4

Read each number story below. Think what the story tells and what the question asks. Then find the answer to the question.

1. Jane looked out at the rain. She saw 7 birds fly into a tree. Then 1 more bird came. How many birds were in the tree then?

2. Jane saw 8 cars coming down the street. One car stopped at Jane's house. How many cars went on down the street?

3. Four girls got out of the car in front of Jane's house. Then 2 boys got out. How many children got out of the car?

4. After the children came in, Jane said, "There are 5 girls and 2 boys here." How many children were there at Jane's house?

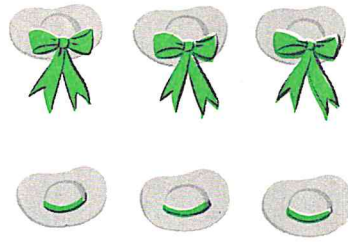
5. There were 2 boys at Jane's house. One more boy came. How many boys were there then?

6. The 8 children went downstairs to play. Seven of the children wanted to play school. How many did not want to play school?

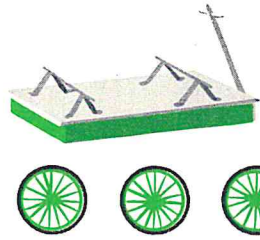
7. Jane's mother took 1 yellow apple and 7 red apples to the children. How many apples did she take?

How Many More Are Needed?

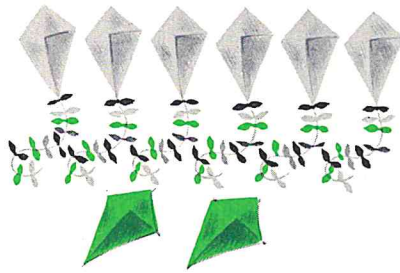
1. Grace is making bows to put on doll hats. She has 6 doll hats. She has made 3 bows. Does she need more bows for the 6 doll hats? How many more bows does she need? The picture at the right will help you.



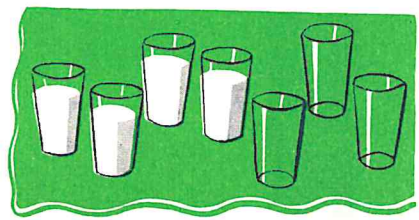
2. James needs 4 wheels for the wagon he is making. He has 3 wheels. Does he have enough wheels? How many more wheels does he need?



3. Ted made 8 kites. He has made tails for 6 kites. How many more tails does Ted need to make?



4. David wants to fill 7 glasses with milk. He has enough milk to fill 4 of the glasses. How much more milk does he need? The picture will help you.



5. Bob saw a knife that cost 9 cents. He has 8 cents. Does he have enough money to buy the knife? How much more money does he need? Think, 8 cents from 9 cents is ? cents?

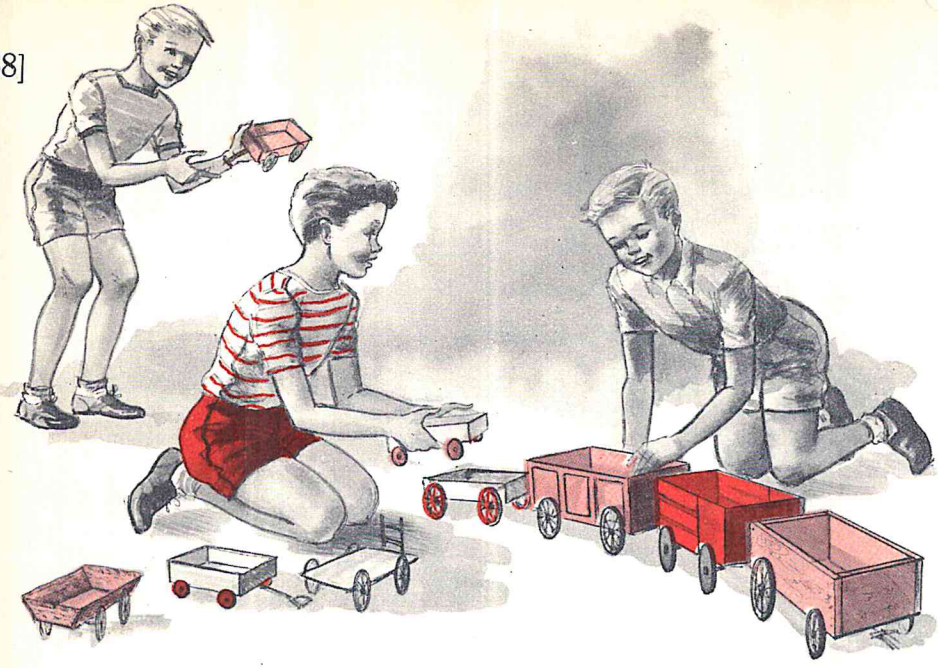
6. Sally wants to buy a whistle that costs 7 cents. She has 5 cents. How much more money does she need? Think, 5 cents from 7 cents is ? cents?

7. Jane wants to buy a box of crayons that costs 8 cents. She has 2 cents. How much more money does she need? Think, 2 cents from 8 cents is ? cents?

Writing Answers

Write these examples. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
1.	2	1	2	4	3	1	1
	1	4	2	3	1	3	1
	4	1	2	1	1	4	6
	7	6	6	8	5	8	8
2.	2	2	3	2	2	2	1
	1	3	2	5	2	4	4
	1	2	1	1	1	1	5
	4	7	6	8	5	7	10

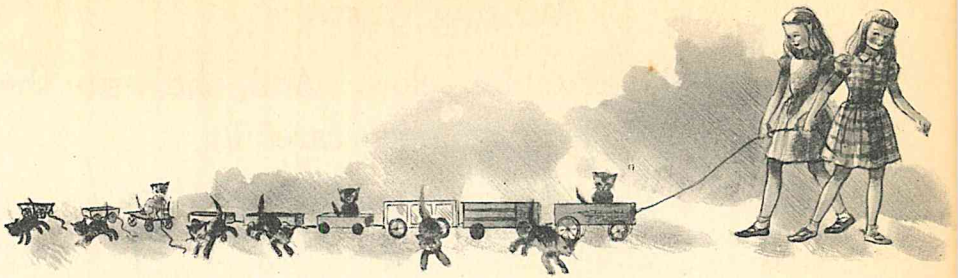


The Wagon Train

One day the children played with wagons in Dick's yard. Read the stories to find how they played.

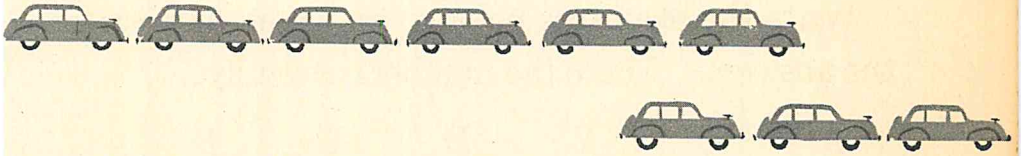
1. The children brought 6 wagons to Dick's yard. Dick had 3 wagons. How many wagons did the children have? How many are 6 wagons and 3 wagons?

2. The boys made a train with 3 large wagons. Then they put 6 small wagons in the train. How many wagons did they use for the train? How many are 3 wagons and 6 wagons?



3. The girls let 9 kittens ride in the train. Six of the kittens jumped out. How many kittens were riding then? Think, 6 kittens from 9 kittens is how many kittens?

4. The girls pulled the 9 wagons. The string broke and 3 wagons came off the train. How many wagons were in the train then? 3 wagons from 9 wagons is how many wagons?



5. Look at the picture above. How many are 6 cars and 3 cars? How many are 3 cars and 6 cars?

6. If we take 6 cars from 9 cars, how many cars will be left? If we take 3 cars from 9 cars, how many cars will be left?

7. Remember:

$$\begin{array}{rrrr} 6 & 3 & 9 & 9 \\ +3 & +6 & -6 & -3 \\ \hline 9 & 9 & 3 & 6 \end{array}$$

Writing Answers

Write the examples below. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
1.	5	3	2	4	3	4	1
	2	1	6	3	6	4	8
	7	4	8	7	9	8	9
2.	2	3	4	8	2	6	3
	4	3	2	1	2	2	2
	6	6	6	9	4	8	5
3.	5	6	1	3	2	7	2
	5	3	7	4	3	1	5
	10	9	8	7	5	8	7

Write the examples below. Subtract, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
4.	9	5	7	9	6	9	6
	8	3	5	6	4	1	2
	1	2	2	3	2	8	4
5.	10	7	8	6	7	9	8
	5	1	7	3	2	3	4
	5	6	1	3	5	6	4
6.	8	7	5	6	8	7	8
	2	4	2	1	6	3	1
	6	3	3	5	2	4	7

Playing in the Back Yard

These stories are about playing in Ann's back yard. Read each story and find the answer. Then see if the answer really tells the end of the story.

1. Six girls were playing in Ann's back yard. Then 3 boys came to play. How many children were playing then?

2. The boys made a fire truck and a ladder. They used 2 long boards and 4 short boards for the ladder. How many boards did they use?

3. Nine children wanted to ride on the fire truck. There was room for only 3 children. How many children could not ride?

4. The girls made 4 tall buildings with blocks. The fire truck knocked 2 of them down. How many tall buildings were left?

5. The girls made a house under the tree. They had 9 long boards. They used 6 of the boards. How many boards were not used?

6. The boys made 3 large boats and 6 small boats with blocks. How many boats did they make?

A B C

Half Past the Hour

1. The clock in picture A shows what time David had breakfast. The short hand is at 8. Where is the long hand? What time is it?

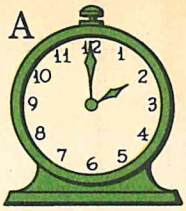
2. When school began, David looked at the school clock. Picture B shows what time it was. The short hand is at 9. Where is the long hand? What time does this clock show?

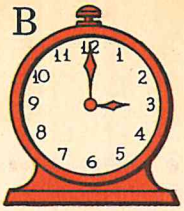
One hour had gone by since breakfast. In one hour the long hand had gone all of the way around the clock. The short hand had gone from the 8 to the 9.

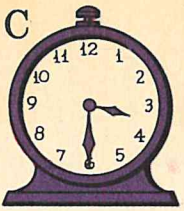
3. The clock in picture C shows what time it was when David looked at the clock again. The short hand was not at 9 then. It was between the 9 and the 10. The long hand had gone half of the way around the clock. It had gone from the 12 to the 6.

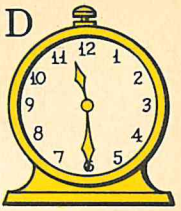
David knew the time was between 9 o'clock and 10 o'clock. How did he know?

4. Miss Clark said, "David, when the long hand is at 6, the time is half past the hour." What time is it by the clock in picture C?









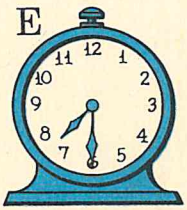
5. Where is the long hand on the clock in picture A? the short hand? What time is it?

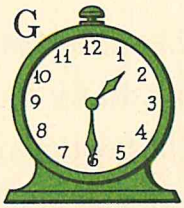
6. Where is the long hand on the clock in picture B? the short hand? What time is it?

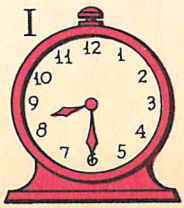
7. In picture C, the long hand is at 6. What is the last number that the short hand passed? What time is it by this clock?

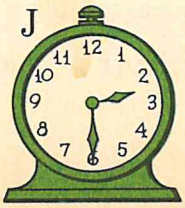
8. Where is the long hand in picture D? What is the last number that the short hand passed? What time is it by this clock?

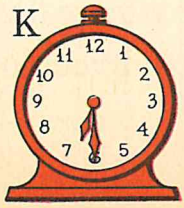
9. Look at each clock in the picture below. Tell what time it shows. Tell something you do at school or at home at the time each clock shows.

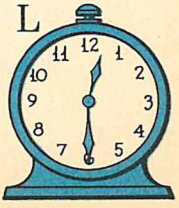


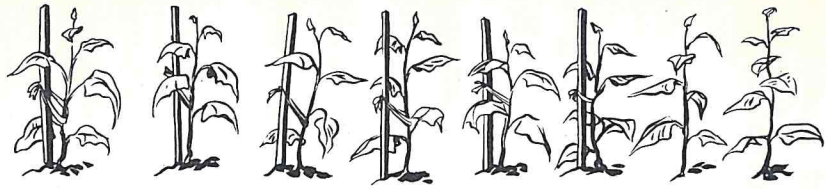












Playing Farm

1. Bob is playing farm. He has 8 plants in his garden. Bob has 6 sticks to hold the plants up. How many more sticks does he need?

The picture will help you find the answer. How many plants does Bob have? How many sticks has he? To find how many more sticks he needs, think, 6 from 8 is how many?

2. Bob wants a toy horse for his farm. The horse costs 9 cents. Bob has 3 cents. How much more money does he need?

How much does the horse cost? Think: 9 cents
How much money does Bob have? Think: 3 cents
How much more does he need? ? cents
Think, 3 cents from 9 cents is ? cents?

3. Bob wants 7 boxes to make a barn. He has 6 boxes. How many more boxes does he need?

How many boxes does Bob want? Think: 7 boxes
How many boxes does he have? Think: 6 boxes
How many more does he need? ? boxes
What should you do to find the answer?

4. Bob is making trees of paper for the farm. He wants 7 trees. He has made 1 tree. How many more trees should Bob make?

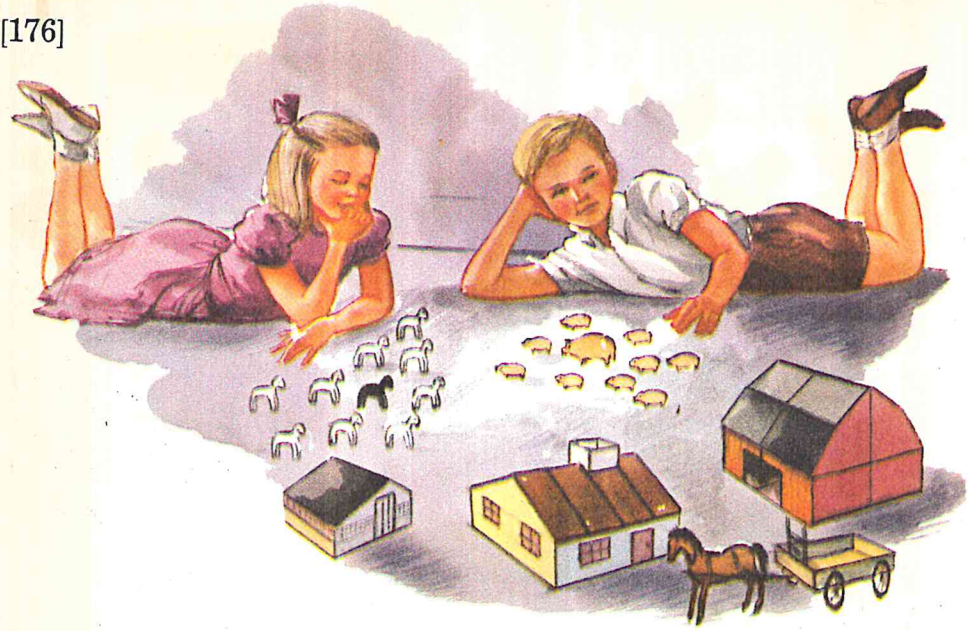
5. Bob is making a house for the farm. He wants 9 boards for the roof. Bob found 8 boards. How many more boards does he need?

6. The house Bob made for the chickens has places for 6 windows. Bob has made 4 of the windows. How many more windows does he have to make?

Writing Answers

Write the examples below. Think what the signs tell you to do. Write the answer to each example.

	A	B	C	D	E	F	G
1.	1	5	10	6	8	8	7
	+6	+2	−5	+3	+1	−6	+1
	7	7	5	9	9	2	8
2.	9	2	1	8	2	4	9
	−6	+6	+8	−4	+5	+3	−3
	3	8	9	4	7	7	6
3.	1	8	4	6	9	3	5
	+5	−2	+4	+2	−1	+6	+5
	6	6	8	8	8	9	10

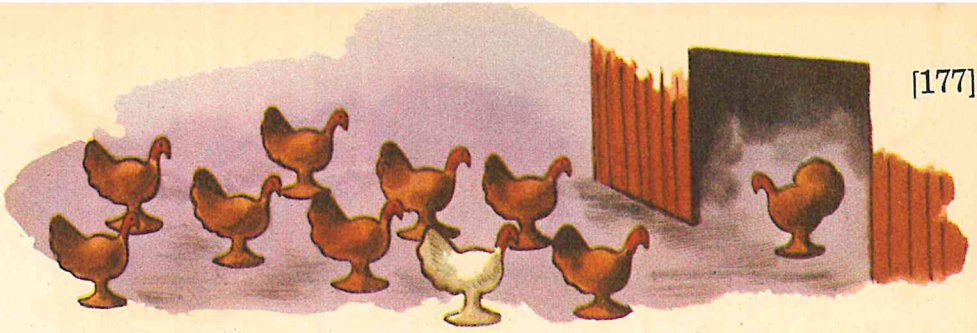


Making Clay Animals

The children made animals of clay for Bob's farm. Read the stories and find how many they made.

1. James made 9 small clay pigs for the farm. Then he made 1 large pig. How many clay pigs did James make in all? How many are 9 pigs and 1 pig?

2. Jane made 1 black lamb. Then she made 9 white lambs. How many lambs did Jane make in all? How many are 1 lamb and 9 lambs?



3. Sally made 10 clay turkeys for the farm. She painted 9 turkeys brown. How many turkeys were not brown? 9 turkeys from 10 turkeys is how many turkeys?

4. Sally had the 10 turkeys in the barnyard. Bob put 1 of them in the barn. How many turkeys did Bob leave in the barnyard? 1 turkey from 10 turkeys is how many turkeys?

5. Look at the picture above. How many are 9 eggs and 1 egg? How many are 1 egg and 9 eggs?

6. If we take 9 eggs from 10 eggs, how many eggs will be left? If we take 1 egg from 10 eggs, how many eggs will be left?

7. Remember:

9	1	10	10
+1	+9	−9	−1
10	10	1	9

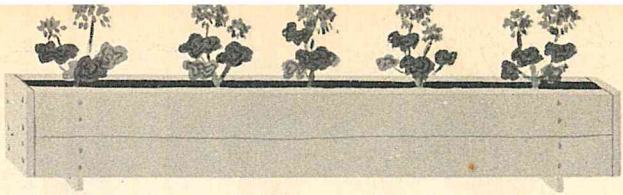
Writing Answers

Write the examples below. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
1.	2	4	3	8	5	6	1
	5	4	6	1	5	2	7
	7	8	9	9	10	8	8
2.	3	1	4	2	7	4	6
	4	9	2	3	1	1	3
	7	10	6	5	8	5	9
3.	1	3	2	4	5	9	2
	8	3	6	3	2	1	4
	9	6	8	7	7	10	6

Write the examples below. Subtract, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
4.	9	8	10	8	7	9	6
	8	2	5	1	5	3	4
	1	6	5	7	2	6	2
5.	7	5	7	6	9	10	8
	3	2	1	2	1	1	6
	4	3	6	4	8	9	2
6.	7	8	6	9	7	10	8
	2	7	3	6	4	9	4
	5	1	3	3	3	1	4



Making a Box for Plants

The children wanted some plants for their room at school. The stories below tell what they did. Find what each story tells and what the question asks. Then answer the question.

1. The girls brought 9 plants to school. Dick brought 1 plant. How many plants did the children bring to school?

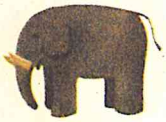
2. The boys made a box for the plants. They used 6 long boards and 2 short boards. How many boards did they use in all?

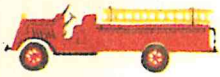
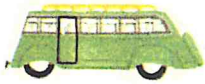
3. One girl and 8 boys helped paint the box. How many children helped paint the box?

4. The boys brought 10 pails of black dirt for the box. They used 9 of them. How many pails of dirt were not used?

5. The boys put 1 pail of sand in the bottom of the box. They put 9 pails of black dirt over the sand. How many pails of sand and dirt did they use in all?

6. Ten children helped to put the plants in the box. Only 1 boy helped. How many girls helped?



Rows of Toys

Answer these questions about the toys:

1. The dolls are in the first row. The animals are in the second row. What toys are in the third row?

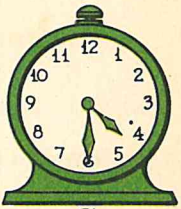
2. In the row of dolls, the first doll has a hat. The second doll has some flowers. The third doll has a balloon. What does the fourth doll have?

3. In the row of animals, which animal is first? Which animal is second? Which animal is third? Which is fourth?

4. In the third row, which toy is first? Which toy is second? Which toy is third? Which is fourth?

A

B

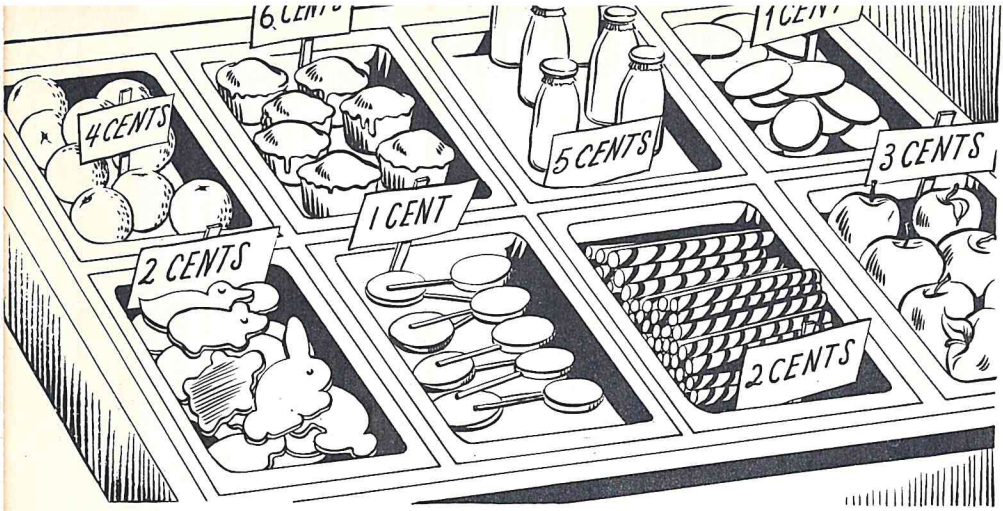


C

What Time Is It?

The pictures above show some of the things David does. The clocks show when he does these things.

1. Which clock shows when David gets up in the morning? What time does he get up?
2. Which clock shows when David goes to school in the morning? What time does he go to school?
3. Which clock shows when David plays in his yard? What time does he play in the yard?



Buying Things for Lunch

Sometimes the children buy part of their lunch at school. These number stories are about buying things for lunch. Find what each story tells and what the question asks. Then answer the question in the story.

1. Grace spent 5 cents for milk, 2 cents for candy, and 1 cent for a cookie. How much did she spend in all?

2. Ted spent 6 cents for a cup cake, 3 cents for an apple, and 1 cent for candy. How much money did he spend in all?

3. Dick bought milk for 5 cents, a cookie for 1 cent, and an apple for 3 cents. How much money did Dick spend?

4. Ann spent 1 cent for a cookie, 5 cents for milk, and 1 cent for candy. How much did Ann spend in all?

5. James bought an apple for 3 cents, a stick of candy for 2 cents, and an animal cookie for 2 cents. How much money did James spend?

6. Sally spent 3 cents for an apple, 4 cents for an orange, and 1 cent for a cookie. How much money did she spend?

7. David spent 1 cent for a cookie, 5 cents for milk, and 3 cents for an apple. How much money did David spend?

Writing Answers

Write the examples below. Be careful to put the numbers one just under the other. Add down, and write the answers.

	A	B	C	D	E	F	G
1.	1	2	6	3	3	4	3
	7	1	1	6	1	1	3
	1	3	1	1	2	2	3
	9	6	8	10	6	7	9
2.	1	3	2	1	2	1	1
	3	3	4	8	1	6	5
	2	1	3	1	6	1	3
	6	7	9	10	9	8	9

Walking in the Woods

One warm day Bob and his father went walking in the woods. Read these stories and find what they saw.

1. Bob and his father saw 5 red birds in a tree. Then they saw 3 blue birds fly into the tree. How many birds were in the tree then? How many are 5 birds and 3 birds?

2. Bob and his father saw 3 yellow birds in a bush. Then they saw 5 more yellow birds in another bush. How many yellow birds did they see in all? How many are 3 birds and 5 birds?

3. Bob saw 8 stones near the river. He used 5 of the stones to make a path. The others were too large. How many stones were too large? 5 stones from 8 stones is ? stones?

4. Bob saw 8 ducks on the water. Three of them flew away. How many ducks were on the water then? 3 ducks from 8 ducks is ? ducks?

5. Look at the picture above. How many are 5 turtles and 3 turtles? How many are 3 turtles and 5 turtles?

6. If we take 5 turtles from 8 turtles, how many turtles will be left? If we take 3 turtles from 8 turtles, how many turtles will be left?

7. Remember:

$$\begin{array}{r} 5 \\ +3 \\ \hline 8 \end{array} \qquad \begin{array}{r} 3 \\ +5 \\ \hline 8 \end{array} \qquad \begin{array}{r} 8 \\ -5 \\ \hline 3 \end{array} \qquad \begin{array}{r} 8 \\ -3 \\ \hline 5 \end{array}$$

Saying and Writing Answers

Look at each example below. Add, and say the answer.

	A	B	C	D	E	F	G
1.	1	1	3	7	1	5	2
	5	1	2	1	3	5	4
	6	2	5	8	4	10	6
2.	3	2	4	2	2	4	6
	3	5	3	1	6	1	1
	6	7	7	3	8	5	7

Write the examples below. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
3.	1	5	1	2	1	3	4
	2	1	8	2	6	5	2
	3	6	9	4	7	8	6
4.	5	6	3	1	6	1	8
	3	2	1	9	3	4	1
	8	8	4	10	9	5	9
5.	1	4	5	3	2	9	3
	7	4	2	6	3	1	4
	8	8	7	9	5	10	7

Look at each example below. Subtract, and say the answer.

	A	B	C	D	E	F	G
1.	4	7	2	6	10	3	6
	3	5	1	5	1	1	3
	1	2	1	1	9	2	3
2.	10	5	8	8	5	6	7
	5	4	3	7	3	4	1
	5	1	5	1	2	2	6

Write the examples below. Subtract, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
3.	6	9	4	10	8	5	9
	1	6	2	9	6	2	8
	5	3	2	1	2	3	1
4.	7	3	9	8	7	4	7
	4	2	1	4	3	1	2
	3	1	8	4	4	3	5
5.	8	5	8	6	9	7	8
	5	1	1	2	3	6	2
	3	4	7	4	6	1	6

Catching Fish for Lunch

Bob and Father went fishing. These number stories tell what happened.

In some of the stories more than one thing happened. Read each story and find all that happened. Think what the question asks. Then find the answer.

1. Bob's father caught 5 fish. Bob caught 3 fish. How many fish did they catch?

What two things happened in the story?

What does the question ask?

Should you add or subtract?

2. Bob and his father wanted to cook the fish for their lunch. Bob cleaned 2 fish and his father cleaned 6 fish. How many fish did they get ready to cook?

What two things happened in the story?

What does the question ask?

Should you add or subtract?

3. Bob brought 8 large pieces of wood. He and his father used 5 of them to make a fire. How many more pieces of wood did Bob bring than they used?

What happened first?

What happened next?

What does the question ask?

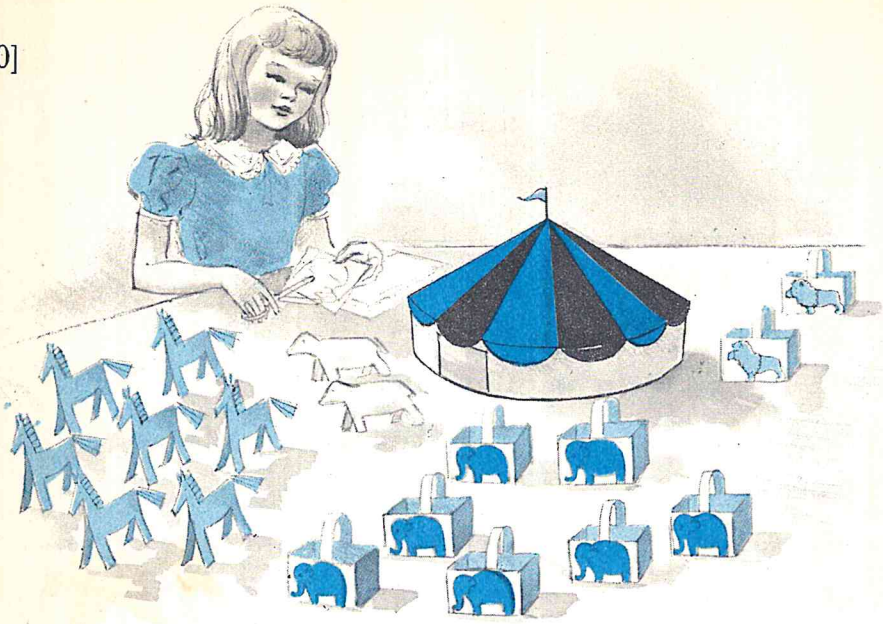
Should you add or subtract?

4. Father cooked 3 fish the first time. Then he cooked 5 more. How many fish did he cook?

5. When the fish were cooked, Bob's father gave him 4 of them. Bob ate 3 fish. How many fewer fish did he eat than his father gave him?

6. Bob's father ate 4 fish. Then he ate 1 more. How many fish did he eat in all?

7. Bob and his father spent 8 hours at the river. They fished 3 hours. How many hours did they spend doing other things?

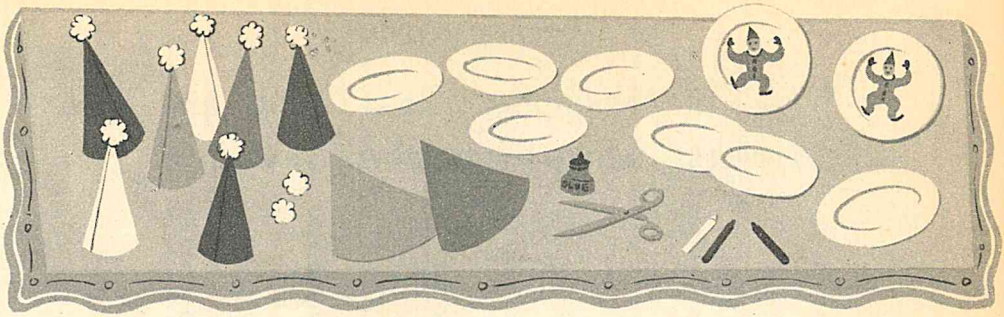


Getting Ready for a Circus Party

Sally is getting ready for a circus party. Read these stories and find what she did.

1. Sally made a tent of paper to put on the table. She cut out 7 ponies and 2 bears to put around the tent. How many animals did she make to put around the tent? How many are 7 animals and 2 animals?

2. Sally made baskets for candy and nuts. She made 2 lion baskets and 7 elephant baskets. How many baskets did Sally make in all? How many are 2 baskets and 7 baskets?



3. Sally wants 9 paper hats for the party. She has made 7 hats. How many more does she need? 7 hats from 9 hats is how many hats?

4. Sally wants to put clowns on 9 paper plates. She has put them on 2 plates. She needs to put clowns on how many more plates? Think, 2 plates from 9 plates is how many plates?

5. Look at the picture above. How many are 7 candy animals and 2 candy animals? How many are 2 candy animals and 7 candy animals?

6. If we take 7 animals from 9 animals, how many will be left? If we take 2 animals from 9 animals, how many will be left?

7. Remember:

$$\begin{array}{r} 7 \\ +2 \\ \hline 9 \end{array} \qquad \begin{array}{r} 2 \\ +7 \\ \hline 9 \end{array} \qquad \begin{array}{r} 9 \\ -7 \\ \hline 2 \end{array} \qquad \begin{array}{r} 9 \\ -2 \\ \hline 7 \end{array}$$

Writing Answers

Write the examples below. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
1.	7	1	3	5	8	5	3
	1	9	6	5	1	2	4
	8	10	9	10	9	7	7
2.	6	2	4	5	7	9	2
	3	5	4	3	2	1	6
	9	7	8	8	9	10	8
3.	1	4	2	6	3	1	3
	8	3	7	2	3	7	5
	9	7	9	8	6	8	8

Write the examples below. Subtract, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
4.	10	8	7	8	9	8	7
	9	7	5	2	6	5	3
	1	1	2	6	3	3	4
5.	7	8	9	8	10	9	8
	4	6	2	3	1	8	4
	3	2	7	5	9	1	4
6.	8	9	10	7	6	9	9
	1	3	5	2	3	7	1
	7	6	5	5	3	2	8

Making a Book Corner

Read each number story below. Think what it tells and what the question asks. Find the answer. Then see if it tells how the story ends.

1. Miss Clark brought some new books to school. She brought 2 books about airplanes and 7 about animals. How many new books did she bring?

2. The boys brought 9 boxes. They used 7 of them to make a place in the corner for books. How many of the boxes were not used?

3. The girls found 4 low chairs and 3 high chairs for the book corner. How many chairs did the girls find?

4. Nine boys and 2 girls helped paint the boxes and the chairs. How many fewer girls than boys painted?

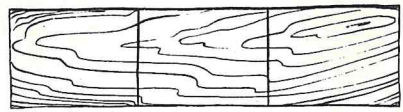
5. The girls put 7 new books and 2 old books on a table in the book corner. How many books did the girls put on the table in all?

6. The boys put 8 books about airplanes in the boxes. A girl took 2 of them out to read. How many airplane books were in the boxes then?

7. The girls put 1 picture book and 6 story books in the boxes. How many books did the girls put in the boxes in all?

Cutting Things into Thirds

1. Dick wanted to make some boats. He had a board that was long enough to make three boats. The picture shows how Dick cut the board.

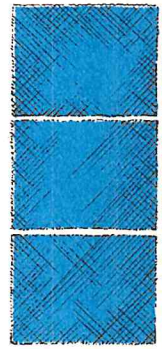


Into how many parts did Dick cut the board? Were the parts all just alike?

Each part was one-third of the board. How many thirds of the board were there?

One part of the board was just as large as each of the other parts.

2. Dick had a piece of cloth. He wanted to use it to make sails for the boats. The picture shows how Dick cut the cloth.

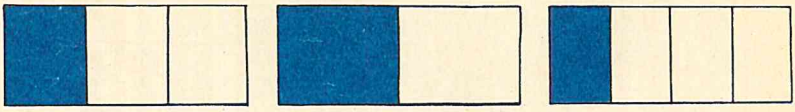


Into how many pieces did Dick cut the cloth? Were the pieces all just alike?

What part of the cloth was each piece?

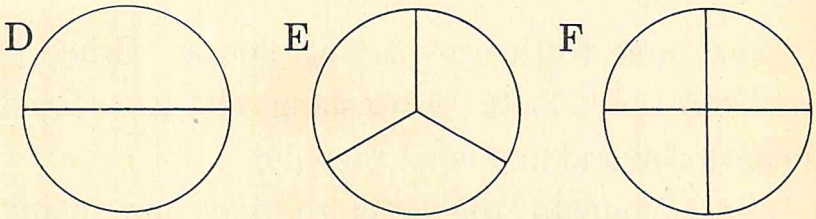
3. Dick cut a stick to make pieces to hold the sails. What part of the stick was each piece?

1. Find the paper below that is one-half blue.
Find the paper that is one-fourth blue.
Find the paper that is one-third blue.

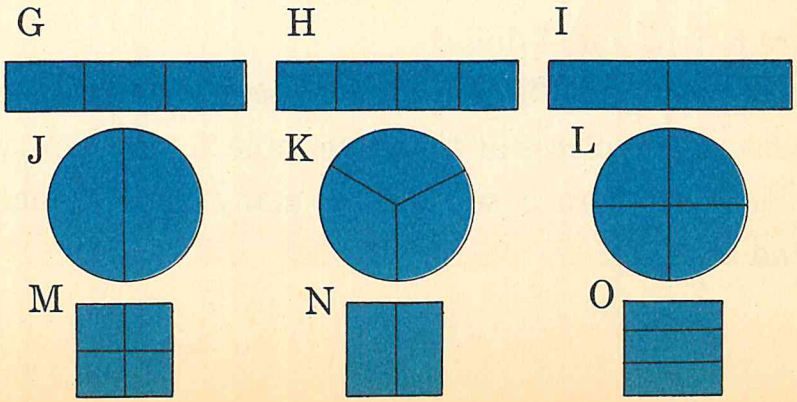


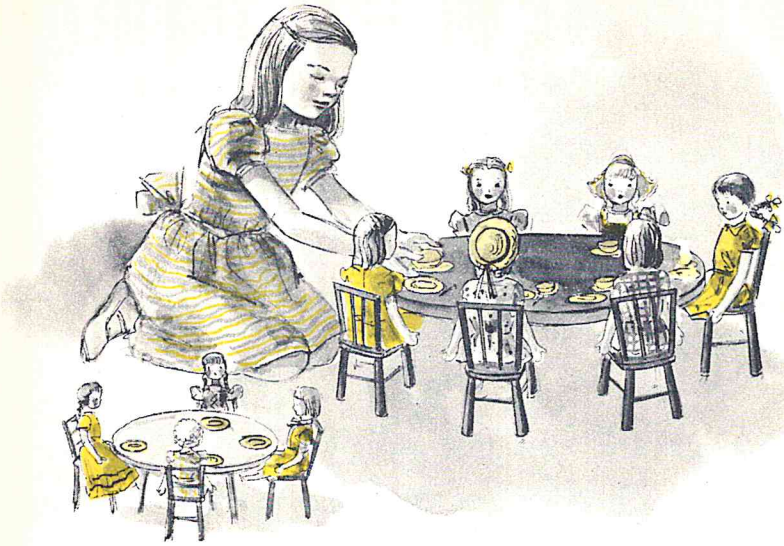
A B C

2. Look at the pictures below. Which picture shows something that is cut into halves?
Which shows something cut into fourths?
Which shows something cut into thirds?



3. Find all of the things below that are cut into halves; into fourths; into thirds.



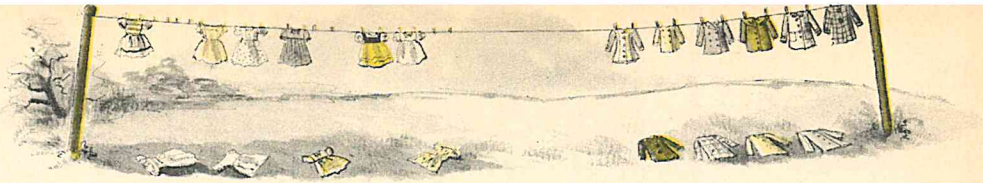


Playing House

Grace and Ruth are playing house. Grace is the cook and Ruth is washing clothes. Read these stories and find what they did.

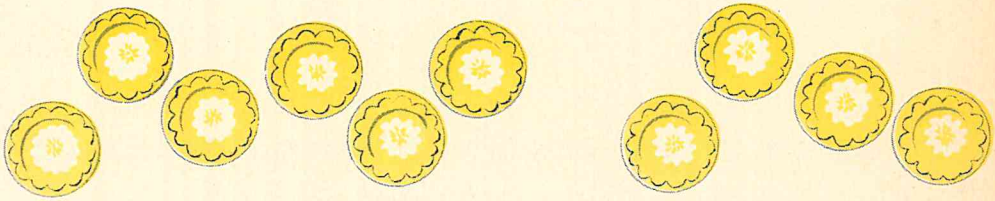
1. Grace counted the dolls to find how many dolls would be at dinner. Grace said, "There are 6 large dolls and 4 small dolls." How many dolls will there be at dinner? How many are 6 dolls and 4 dolls?

2. Grace said, "I will set 4 places at the small table and 6 places at the large table." How many places did Grace set? How many are 4 places and 6 places?



3. Ruth washed 10 coats. She put 6 of them on the line. She put the others on the grass to dry. How many coats did she put on the grass? 6 coats from 10 coats is ? coats?

4. Ruth washed 10 dresses and put them on the line to dry. Four of the dresses fell down. How many dresses were left on the line? 4 dresses from 10 dresses is ? dresses?



5. Look at the picture above. How many are 6 dishes and 4 dishes? How many are 4 dishes and 6 dishes?

6. If we take 6 dishes from 10 dishes, how many dishes will be left? If we take 4 dishes from 10 dishes, how many dishes will be left?

7. Remember:

$$\begin{array}{r} 6 \\ +4 \\ \hline 10 \end{array} \qquad \begin{array}{r} 4 \\ +6 \\ \hline 10 \end{array} \qquad \begin{array}{r} 10 \\ -6 \\ \hline 4 \end{array} \qquad \begin{array}{r} 10 \\ -4 \\ \hline 6 \end{array}$$

Writing Answers

Write the examples below. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
1.	1	2	5	9	2	5	3
	7	6	3	1	7	5	6
	8	8	8	10	9	10	9
2.	6	3	7	4	3	1	5
	4	4	1	4	5	8	2
	10	7	8	8	8	9	7
3.	6	1	6	2	4	7	4
	2	9	3	5	3	2	6
	8	10	9	7	7	9	10

Write the examples below. Subtract, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
4.	8	10	7	8	8	9	10
	4	9	5	3	1	2	4
	4	1	2	5	7	7	6
5.	7	9	8	10	7	8	9
	2	6	2	1	3	5	1
	5	3	6	9	4	3	8
6.	10	8	9	10	8	7	9
	6	7	3	5	6	4	7
	4	1	6	5	2	3	2

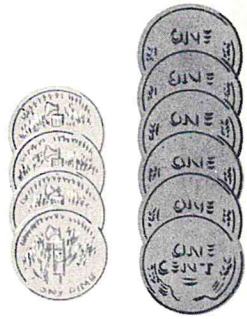
More about Playing House

These stories tell more about playing house. Read each story to find what it tells and what the question asks. Answer the question.

1. Grace went to the store to buy food for the dolls. She bought 6 cans of vegetables and 4 cans of fruit. How many cans of food did she buy?
2. Grace made 5 round cookies and 5 long cookies. How many cookies did she make?
3. Grace cooked 4 potatoes and 6 carrots for dinner. How many vegetables did she cook?
4. Ruth has 5 beds to make. She has made 2 beds. How many more does she have to make?
5. The girls have 10 dolls. Ruth put 4 of them to bed. How many dolls stayed up?
6. Ruth took 3 dolls for a ride and Grace took 3. How many dolls did they take in all?
7. The girls have 10 dolls. They have only 6 hats for the dolls. How many more hats do they need?

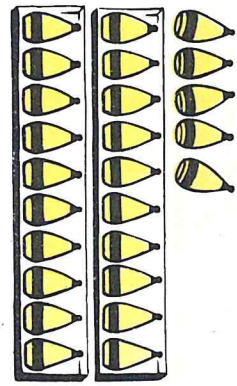
Telling What Numbers Mean

1. This picture shows what 46 cents means. Count the dimes as tens. Count the pennies as ones.



The picture shows that the 4 in 46 cents means 4 dimes and the 6 means 6 pennies. 46 cents means 4 dimes and 6 pennies.

2. The picture at the right shows what the number 25 means. How many tops are there in each box? Count each box of tops as 1 ten. How many tens are there? Count the tops that are out of the boxes as ones. How many ones are there?



The picture shows that the 2 in 25 means 2 tens and the 5 means 5 ones. The number 25 means 2 tens and 5 ones.

3. The number 37 means ? tens and ? ones?

4. The number 98 means ? tens and ? ones?

5. Tell how many tens and how many ones there are in each of these numbers: 26, 45, 87, 19, 73.

1. What number comes just after 99? Write the numbers from 100 to 130.

2. Write the number that comes just after 199.

3. Look at this number: 201. We read it "two hundred one." Look at this number: 202. We read it "two hundred two."

Read these numbers: 203; 204; 205; 206.

4. The number 210 comes just after 209. What number comes just after 219? after 229? 239?

5. Write the numbers from 200 to 240.

6. Tell what number comes just after each of these numbers:

249 259 269 279 289

7. The number 300 comes just after 299. We read it "three hundred." Write the numbers from 280 to 300.

8. The number 148 means 1 hundred, 4 tens, and 8 ones. The number 248 means 2 hundreds, how many tens, and how many ones?

9. Tell how many hundreds, how many tens, and how many ones each of these numbers means:

237 259 268 214 226 245 273

159 281 137 292 164 276 192

Stories That Tell More Than Two Things

Each number story below tells more than two things. Read each story and find what it tells and what the question asks. Then write the numbers and find the answer.

1. Sally saw 1 kitten in a basket. Then 2 more kittens got into the basket. Soon 3 more got in. How many kittens were in the basket in all?

2. David had 4 cents. He found 2 cents, and his father gave him 3 cents. How much money did David have then?

3. One day Ruth spent 2 cents for candy, 3 cents for a pencil, and 3 cents for ribbon. How many cents did Ruth spend that day?

4. Mrs. Brown asked the children to look for eggs. Grace found 2 eggs, Sally found 7 eggs, and David found 1 egg. How many eggs did the children find?

5. Mr. Brown saw 5 pigs in his garden. Then he saw 1 more pig. Soon he saw 4 more pigs come into the garden. How many pigs did he see in the garden?

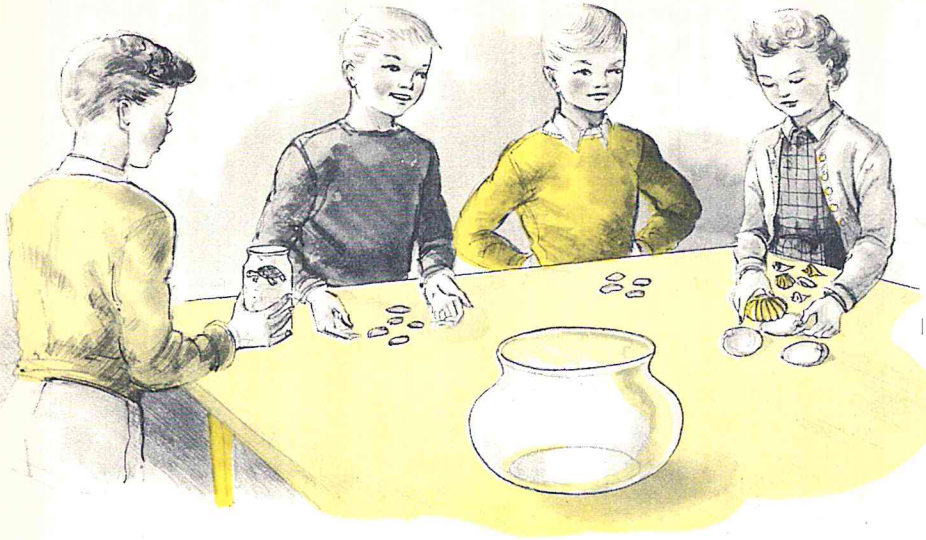
6. Mr. Brown has 2 horses pulling the wagon. He has 1 more horse in the barn and 5 in a field. How many horses does Mr. Brown have?

7. James made 2 pictures one day and 5 another day. Then he made 2 more pictures. How many pictures did James make in all?

Writing Answers

Write the examples below. In each example, be careful to put the numbers one just below the other. Begin at the top and add down. Write the answers.

	A	B	C	D	E	F	G
1.	3	1	7	4	3	1	5
	1	4	1	2	5	2	2
	6	3	1	4	1	5	2
	10	8	9	10	9	8	9
2.	4	8	1	2	3	3	1
	3	1	6	2	2	3	1
	2	1	2	6	3	4	7
	9	10	9	10	8	10	9



Making a Home for the Turtle

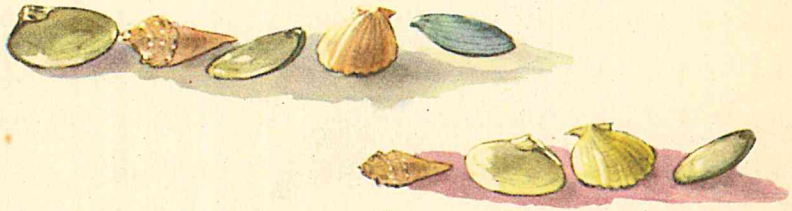
Ted brought a small turtle to school. The children made a home for the turtle in a large glass bowl. These stories tell about making the home. Read each story and answer the question.

1. James brought 5 small stones to put in the bowl. David brought 4 more stones. How many stones did the boys bring in all? How many are 5 stones and 4 stones?

2. Ann brought 4 large shells and 5 small shells to put in the bowl. How many shells did Ann bring to put in the bowl? How many are 4 shells and 5 shells?

3. Ann brought 9 shells. The children put 5 of the shells in the bowl. How many shells were left? 5 shells from 9 shells is how many shells?

4. Sally brought 9 water plants for the bowl. The children put 4 of the plants in the bowl. How many plants did they have left? Think, 4 plants from 9 plants is how many plants?



5. Look at the picture above. How many are 5 shells and 4 shells? How many are 4 shells and 5 shells?

6. If we take 5 shells from 9 shells, how many shells will be left? If we take 4 shells from 9 shells, how many shells will be left?

7. Remember:

$$\begin{array}{r} 5 \\ +4 \\ \hline 9 \end{array} \qquad \begin{array}{r} 4 \\ +5 \\ \hline 9 \end{array} \qquad \begin{array}{r} 9 \\ -5 \\ \hline 4 \end{array} \qquad \begin{array}{r} 9 \\ -4 \\ \hline 5 \end{array}$$

Writing Answers

Write the examples below. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
1.	4	5	7	1	5	3	6
	6	3	2	9	4	4	3
	10	8	9	10	9	7	9
2.	8	4	6	2	9	2	7
	1	3	4	5	1	6	1
	9	7	10	7	10	8	8
3.	4	1	6	3	2	3	1
	5	7	2	5	7	6	8
	9	8	8	8	9	9	9

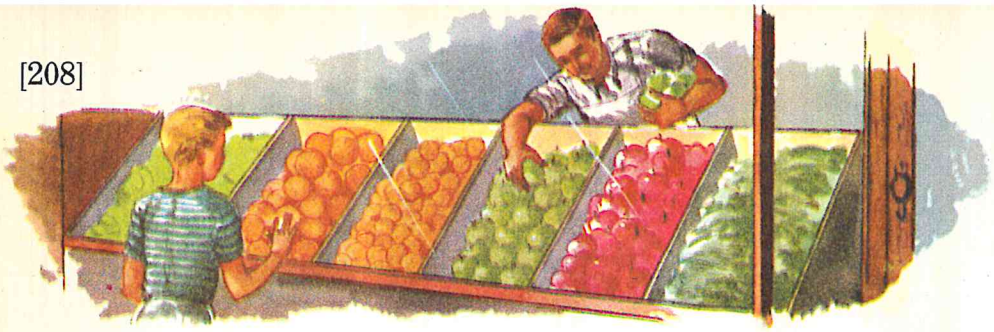
Write the examples below. Subtract, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
4.	10	9	8	9	10	7	9
	1	3	7	4	6	3	2
	9	6	1	5	4	4	7
5.	8	9	10	8	9	8	10
	6	8	4	5	6	1	9
	2	1	6	3	3	7	1
6.	9	8	9	7	8	9	7
	5	2	7	2	3	1	4
	4	6	2	5	5	8	3

Watching Boats and Ships

The second-grade children took a bus ride to see the boats and ships on the river. Find what each story tells and what the question asks. Then find the answer to the question.

1. The children saw 9 large ships that go across the sea. Four ships were ready to sail. How many ships were not ready to sail?
2. Nine men were putting boxes in a ship. One more man came to help them. How many men were working then?
3. The children saw 4 low, flat boats going up the river and 5 going down the river. How many flat boats did they see?
4. They saw a large boat with cars from a train on it. There were 5 cars on one side and 4 cars on the other. How many cars were on the boat?
5. They saw 4 large boats that take people for rides on the river. One boat was going up the river. The others were getting ready to go. How many of these boats were getting ready to go?
6. They saw 9 boats that pull big ships up the river. Five of these boats were pulling a ship. The others were going down the river. How many of them were going down the river?



At the Market

David went to the market for his mother. He watched as a man put fruit and vegetables in the window. Find how many things the man put in the window.

1. The man put 24 green apples and 35 red apples in the window. How many apples were there in the window?

To find the answer to the question, we add 24 and 35. First we write the 24. Then we write the 35 under it.

We begin at the right to add. We add the 4 and the 5 first. We think, 4 and 5 are 9. We write the 9 just under the 5.

$$\begin{array}{r} 24 \\ +35 \\ \hline 59 \end{array}$$

Then we add the 2 and the 3. We think 5. We write the 5 just under the 3. What is the answer? It means that there were 59 apples in the window.

2. The man put 52 small oranges in the window. Then he put 36 large oranges in the window. How many oranges were in the window?

We write the example with the 36 just under the 52. What sign do we write? Where do we begin to add?

$$\begin{array}{r} 52 \\ +36 \\ \hline 88 \end{array}$$

We think, 2 and 6 are 8. Where do we write the 8?

Next we add the 5 and the 3. We think 8. We write the 8 just under the 3. How many oranges were in the window?

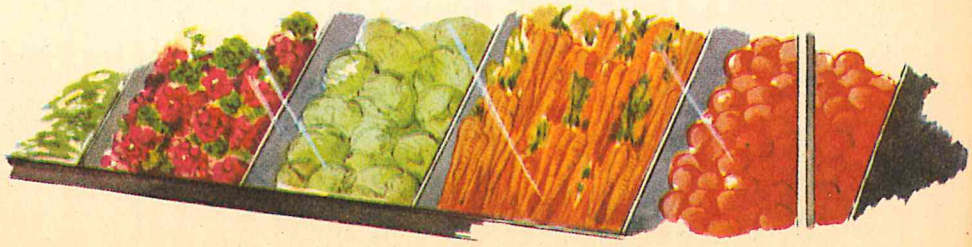
3. The man put 64 carrots in the window. Then he put 32 more carrots in the window. How many carrots were in the window?

What number do we write first? Where do we write the other number?

$$\begin{array}{r} 64 \\ +32 \\ \hline 96 \end{array}$$

Where do we begin to add? Think, 4 and 2 are $\underline{?}$ What do we write in the answer, under the 2?

What do we add next? What do we write in the answer, under the 3? How many carrots were in the window?



Adding Larger Numbers

1. In this example, where do we begin to add? Think, 1 and 8 are 9 What do we write in the answer, under the 8?

$$\begin{array}{r} 31 \\ +\ 48 \\ \hline 79 \end{array}$$

What do we add next? What are 3 and 4? 7 What do we write in the answer, under the 4? 7

Write the example above on your paper. Add, and write the answer.

Write these examples. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E
2.	13	42	73	85	34
	52	31	16	14	51
	65	73	89	99	85
3.	51	62	12	74	25
	21	14	75	24	63
	72	76	87	98	88
4.	21	45	61	58	15
	74	23	23	41	21
	95	68	84	99	36
5.	23	31	46	16	42
	21	36	23	12	55
	44	67	69	28	97
6.	62	23	34	73	52
	33	14	35	25	27
	95	37	69	98	79

More about the Market

The stories below tell more about the market. Find what each story tells and what the question asks. Then find the answer.

1. David spent 32 cents for apples and 44 cents for oranges. How much money did he spend for fruit?

Think, "32 cents for apples." Write: 32 cents

Think, "44 cents for oranges." Write: +44 cents

Think, "How much did he spend in all?" Add, and write the answer. ? cents

2. David bought some lettuce for 14 cents and some carrots for 23 cents. How much money did he spend for vegetables?

3. David saw a man bring 45 small bags of potatoes to the market. Then the man brought in 12 large bags of potatoes. How many bags of potatoes did the man bring to the market?

4. David helped carry vegetables to put in boxes. He carried 12 heads of cabbage and the man carried 32 heads of cabbage. How many heads of cabbage did they put in the boxes?

5. The man carried 43 ears of corn and David carried 42 ears of corn. How many ears of corn did they carry into the market?

Finding Signs of Spring

The second-grade children went to the park to look for signs of spring. Read the stories and find what they saw.

1. As the children went to the park, they saw 8 girls and 2 boys roller skating. How many children were roller skating? How many are 8 children and 2 children?

2. They saw 2 girls and 8 boys playing with tops. How many children were playing with tops? How many are 2 children and 8 children?

3. The children saw a man with 10 bushes to plant. Only 8 bushes had leaves. How many bushes did not have leaves? 8 bushes from 10 bushes is how many bushes?

4. The man had 10 bushes to plant. He had planted 2 of them. How many more did he have to plant? 2 bushes from 10 bushes is ? bushes?

5. Look at the picture above. How many are 8 bees and 2 bees? How many are 2 bees and 8 bees?

6. If we take 8 bees from 10 bees, how many bees will be left? If we take 2 bees from 10 bees, how many bees will be left?

7. Remember:

8	2	10	10
+2	+8	−8	−2
10	10	2	8

Writing Answers

Write the examples below. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
1.	2	1	6	5	4	3	8
	7	9	4	2	5	6	2
	9	10	10	7	9	9	10
2.	6	7	3	1	4	4	5
	2	2	5	7	6	4	3
	8	9	8	8	10	8	8
3.	2	5	1	2	9	6	8
	8	4	8	6	1	3	1
	10	9	9	8	10	9	9

Write the examples below. Subtract, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
4.	10	8	9	8	10	9	10
	9	2	4	5	2	3	6
	19	10	13	13	12	12	16
5.	8	9	8	9	8	10	9
	4	6	7	2	6	4	8
	12	15	15	11	14	14	17
6.	9	8	10	9	8	9	10
	5	3	8	1	1	7	1
	14	11	18	10	9	16	11

More Signs of Spring

The stories below tell more about the signs of spring which the children found. Read each story. Think what it tells and what the question asks. Then answer the question.

1. Jane saw 2 bushes with yellow flowers on them. She saw 8 bushes with small leaves. How many bushes did Jane see?

2. Ann saw 10 bees on the flowers. Eight bees flew away. How many bees were left?

3. Ted saw 5 blue birds and 4 red birds. How many birds did he see?

4. Dick counted 10 birds in a tree. Two of the birds flew to the ground. How many birds were in the tree then?

5. Bob saw a row of 6 trees. There were white flowers on 4 of the trees. How many trees did not have flowers?

6. Grace found a flower bed. Eight plants in the bed had flowers and 2 did not. How many plants were there in the flower bed?

7. Miss Clark found 9 plants under a tree. All but 1 plant had little blue flowers on them. How many plants had blue flowers?

Playing with Toys

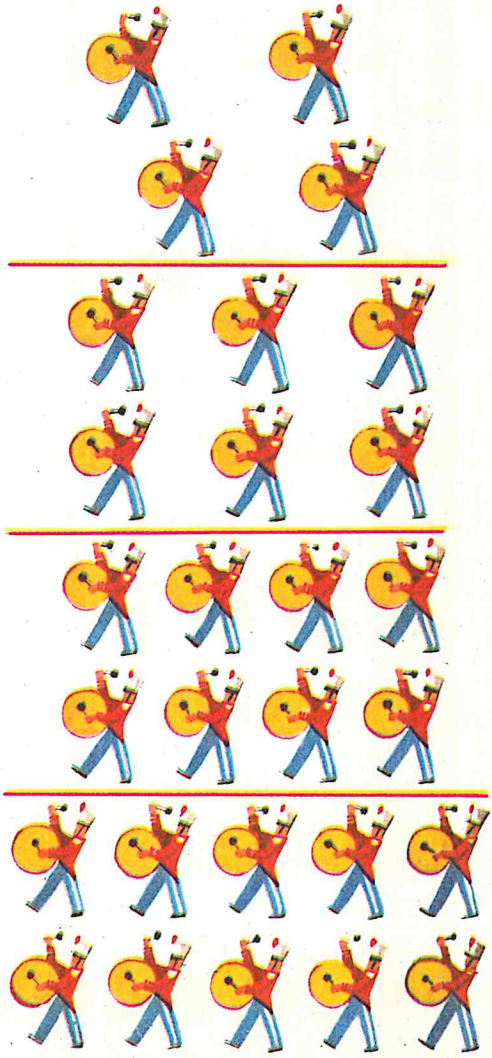
James has a box of toy band men. He set the men on the floor. The pictures show how he set them. Look at the pictures and answer the questions about the men.

1. How many are 2 men and 2 men? How many are 2 and 2? How many are 2 twos?

2. How many are 3 men and 3 men? How many are 3 and 3? How many are 2 threes?

3. How many are 4 men and 4 men? How many are 4 and 4? How many are 2 fours?

4. How many are 5 men and 5 men? How many are 5 and 5? How many are 2 fives?



5. James set up 4 men in groups, with 2 men in each group. How many groups of men did he set up? How many twos are there in 4?

6. James set up 6 men in groups, with 3 men in each group. How many groups of men did he make? How many threes are there in 6?

7. James set up 8 men in groups, with 4 men in each group. How many groups of men did he make? How many fours are there in 8?

8. James set up 10 men in groups, with 5 men in each group. How many groups of men did he make? How many fives are there in 10?

BOB'S HOUSE	ANN'S HOUSE	TED'S HOUSE	DICK'S HOUSE	JAMES'S HOUSE

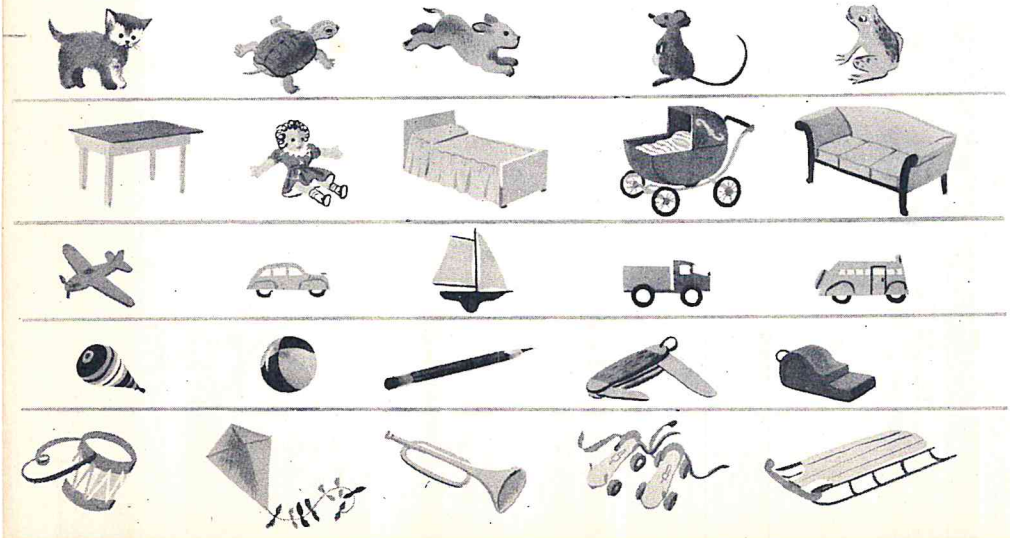
Finding Things in Pictures

1. In the picture above, Bob's house is first in the row. Whose house is second? third? fourth?

2. Whose house is last in the row? It is the fifth house.

3. In the pictures below, the animals are in the first row. Tell what things are in the second row; the third row; the fourth row; the fifth row.

4. In each row, the toy on the left is first. Look at each row and tell which toy is second; third; fourth; fifth.

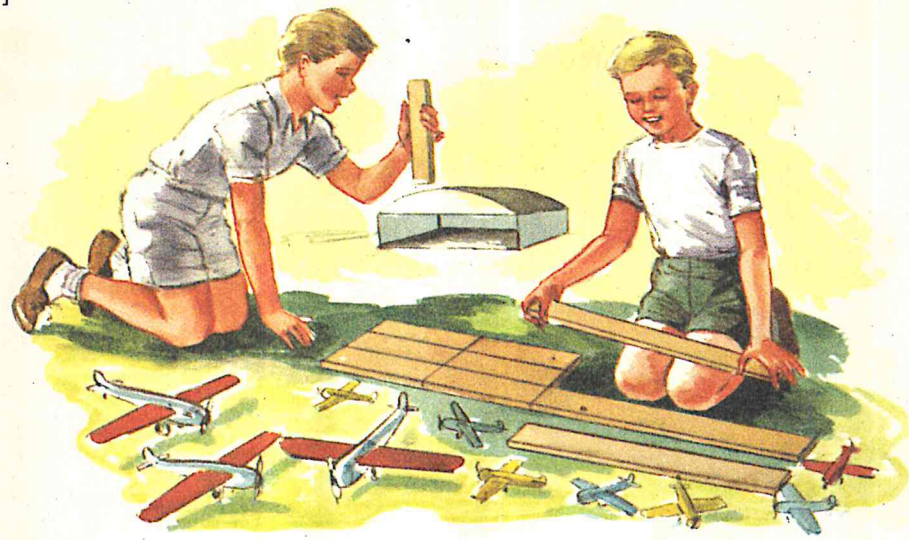


Write the examples below. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
1.	72	16	61	26	31	43	51
	25	81	25	73	24	53	17
	97	97	86	99	55	96	68
2.	81	43	73	34	52	15	45
	16	31	16	52	36	12	44
	97	74	89	86	88	23	89
3.	22	52	43	52	34	41	65
	14	43	14	32	64	33	32
	36	95	57	84	98	74	97

Write the examples below. In each example, be sure to put the numbers one just under the other. Add, and write the answers.

	A	B	C	D	E	F	G
4.	2	4	4	1	6	4	3
	4	1	5	2	2	1	5
	4	3	1	6	2	4	2
	10	8	10	9	10	9	10
5.	2	5	7	3	1	5	5
	3	3	1	1	1	1	4
	4	1	2	5	8	2	1
	9	9	10	9	10	8	10

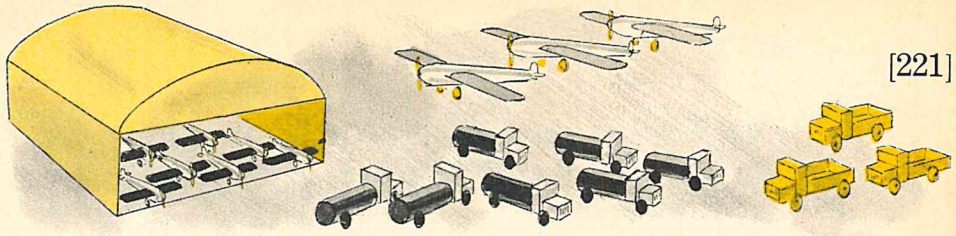


Making an Airport

The children made an airport in their room at school. These stories tell how they made it. Answer the questions.

1. The children brought 7 small airplanes and 3 large airplanes to school. How many airplanes did they bring in all? 10 How many are 7 airplanes and 3 airplanes? 10

2. The boys made a place for the airplanes to land. They used 3 long blocks and 7 short blocks. How many blocks did they use in all? 10 How many are 3 blocks and 7 blocks? 10



3. Bob made a hangar for the 10 airplanes. He put 7 airplanes in the hangar. How many airplanes were out of the hangar? 3 7 airplanes from 10 airplanes is how many airplanes? 3

4. The boys made 10 trucks for the airport. Three trucks were yellow. The others were black. How many trucks were black? 7 Think, 3 trucks from 10 trucks is how many trucks? 7

5. Look at the picture above. How many are 7 men and 3 men? 10 How many are 3 men and 7 men? 10

6. If we take 7 men from 10 men, how many men will be left? 3 If we take 3 men from 10 men, how many men will be left? 7

7. Remember:

$$\begin{array}{r} 7 \\ +3 \\ \hline 10 \end{array} \qquad \begin{array}{r} 3 \\ +7 \\ \hline 10 \end{array} \qquad \begin{array}{r} 10 \\ -7 \\ \hline 3 \end{array} \qquad \begin{array}{r} 10 \\ -3 \\ \hline 7 \end{array}$$

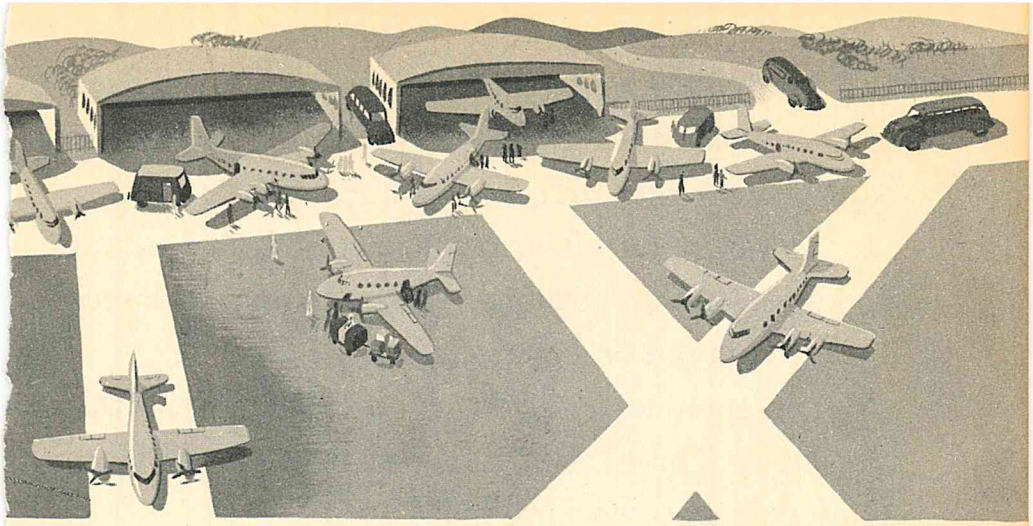
Writing Answers

Write the examples below. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
1.	3	1	7	5	2	3	4
	4	6	3	5	5	3	2
	7	7	10	10	7	6	6
2.	4	5	2	6	4	5	2
	5	2	8	1	3	1	3
	9	7	10	7	7	6	5
3.	1	4	2	3	3	8	5
	5	6	4	7	2	2	4
	6	10	6	10	5	10	9

Write the examples below. Subtract, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
4.	7	10	6	7	10	8	7
	4	8	3	6	3	4	5
	3	2	3	1	7	4	2
5.	10	7	10	5	6	7	10
	2	3	7	2	4	1	6
	8	4	3	3	2	6	4
6.	6	10	6	7	10	6	5
	2	5	1	2	4	5	3
	4	5	5	5	6	1	2



At the Airport

The children went to the airport one day. These stories tell about the things they saw. Find what each story tells and what the question asks. Then find the answer to the question.

1. The children saw 3 airplanes getting ready to fly and 7 on the field. How many airplanes did the children see? 10

2. They saw 10 trucks at the airport. Seven trucks were taking things to the airplanes. The others were leaving the airport. How many trucks were leaving the airport? 3

3. Seven men were getting an airplane ready to fly. Two more men came to help. Then how many men were getting the airplane ready to fly? 9

[224] 4. The children watched a man put 3 big bags and 7 little bags on an airplane. How many bags did the man put on the airplane? 10

5. The men put 5 large packages and 5 small packages on an airplane. How many packages did the men put on the airplane? 10

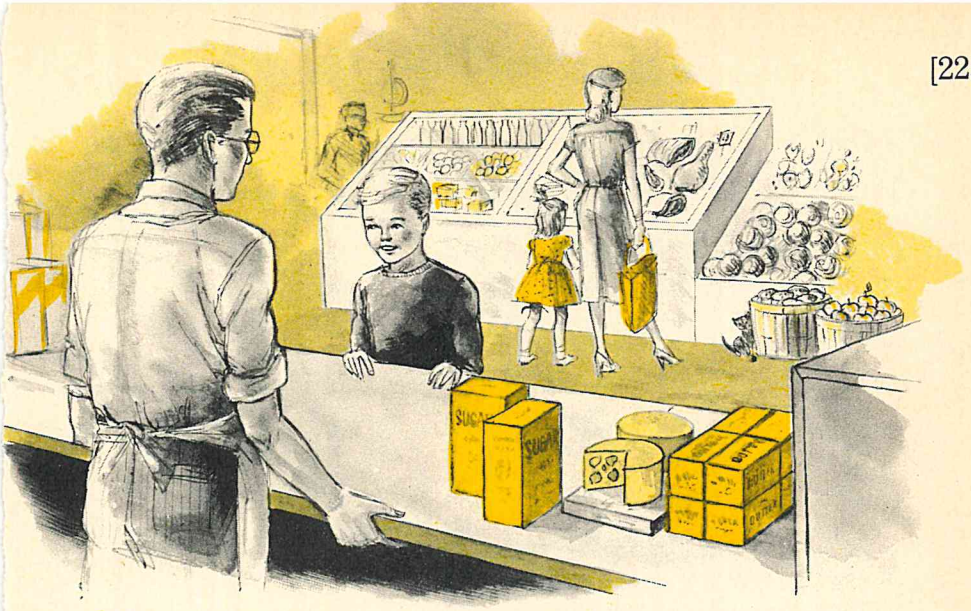
6. Ten men were working on airplanes in the hangars. Three men stopped working. How many men were working then? 7

7. A man showed the children a large airplane and a smaller airplane. There were 52 seats in one airplane and 21 seats in the other. How many seats were there in both airplanes? 73

8. Sally asked how many people help on the large airplane. The man said, "Two women take care of the people in the airplane. One man flies it. One more man helps to fly it." How many people help on the large airplane? 4

9. The children saw women getting food ready to put on airplanes. There were 45 lunches in boxes for the large airplane and 21 for the other airplane. How many lunches were there in all? 66

10. When the airplanes left, there were 43 people in one airplane and 21 people in the other. How many people were there in both airplanes? 64



Helping Mother

One day Dick went to the store for his mother. He asked for a pound of butter and ten pounds of sugar.

Mr. Davis gave Dick the butter, Then he said, "I do not have the sugar in bags that hold ten pounds. Here are two boxes that hold five pounds each."

Dick took the two boxes of sugar.

1. Did Dick get as much sugar as his mother wanted?
2. Find other things in the picture above that are often sold by the pound.

Making Sure You Know

Look at each example below. Add, and say the answer. If there are any answers that you do not know, learn them.

	A	B	C	D	E	F	G
1.	1	3	5	8	2	1	4
	1	2	3	1	6	3	5
	2	5	8	9	8	4	9
2.	5	4	2	3	2	6	1
	2	3	1	6	4	4	5
	7	7	3	9	6	10	6
3.	3	1	7	4	1	6	2
	7	9	2	1	7	1	8
	10	10	9	5	8	7	10

Write the examples below. Add, and write the answers. If there are any answers that you do not know, learn them.

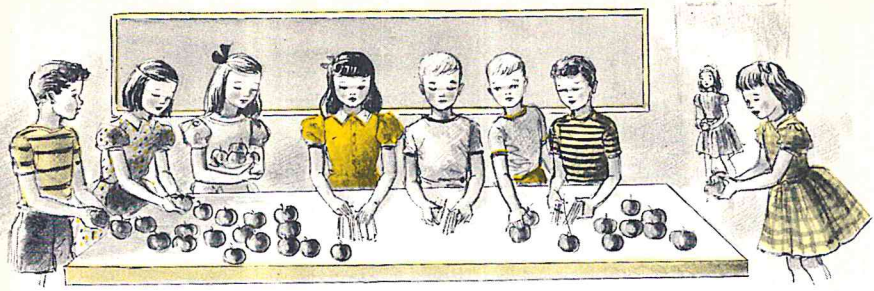
	A	B	C	D	E	F	G	H
4.	1	4	2	1	5	2	9	3
	2	6	5	4	4	3	1	4
	3	10	7	5	9	5	10	7
5.	3	3	7	2	1	4	5	6
	5	1	3	2	8	4	1	2
	8	4	10	4	9	8	6	8
6.	4	2	1	8	6	7	5	3
	2	7	6	2	3	1	5	3
	6	9	7	10	9	8	10	6

Look at each example below. Subtract, and say the answer. If there are any answers that you do not know, learn them.

	A	B	C	D	E	F	G
1.	3	6	8	5	8	9	7
	1	2	5	1	2	4	1
	2	4	3	4	6	5	6
2.	4	10	4	9	7	6	10
	2	7	3	3	5	5	2
	2	3	1	6	2	1	8
3.	7	8	10	10	9	5	9
	3	7	4	9	7	3	1
	4	1	6	1	2	2	8

Write the examples below. Subtract, and write the answers. If there are any answers that you do not know, learn them.

	A	B	C	D	E	F	G	H
4.	2	10	5	4	7	6	10	9
	1	8	2	1	2	4	1	5
	1	2	3	3	5	2	9	4
5.	6	3	10	9	10	6	7	8
	3	2	5	8	3	1	4	6
	3	1	5	1	7	5	3	2
6.	9	8	7	8	5	9	8	10
	6	4	6	3	4	2	1	6
	3	4	1	5	1	7	7	4



Making Candy Apples

The second-grade children are making candy apples to sell at the school fair. The stories below tell how the children helped.

1. The children brought 47 red apples and 32 yellow apples to school. How many more red apples than yellow apples did they bring?

To find the answer to the question, we must subtract 32 from 47. We write the example with the 32 under the 47, just as it is here.

We begin at the right to subtract. We subtract the 2 from the 7. We think, 2 from 7 is 5. We write the 5 just under the 2.

$$\begin{array}{r} 47 \\ -32 \\ \hline 15 \end{array}$$

Then we subtract 3 from 4. We think, 3 from 4 is 1. We write the 1 just under the 3. What is the answer? It means that the children brought 15 more red apples than yellow apples.

2. Miss Clark said, "We have 79 apples in all. But 14 of them are too small to use for candy apples." How many apples could the children use?

We subtract to find the answer to the question. We write the example with the 14 just under the 79. What sign do we write? Where do we begin to subtract?

$$\begin{array}{r} 79 \\ -14 \\ \hline 65 \end{array}$$

We think, 4 from 9 is 5. Where do we write the 5?

Next, we subtract the 1 from the 7. We think, 1 from 7 is 6. Where do we write the 6? How many apples could the children use?

3. The children brought 78 sticks to put in the apples. They needed 65 sticks. How many more sticks did they bring than they used?

What do we do to find the answer? Which number do we write first? Where do we write the other number?

$$\begin{array}{r} 78 \\ -65 \\ \hline 13 \end{array}$$

Where do we begin to subtract? Think, 5 from 8 is ? What do we write in the answer, under the 5?

What do we subtract next? 6 from 7 is ? What do we write in the answer, under the 6? How many more sticks did the children bring than they used?

Subtracting Larger Numbers

1. In the example at the right, where do we begin to subtract? Think, 1 from 6 is 5? What do we write in the answer, under the 1? 5

$$\begin{array}{r} 96 \\ -31 \\ \hline 65 \end{array}$$

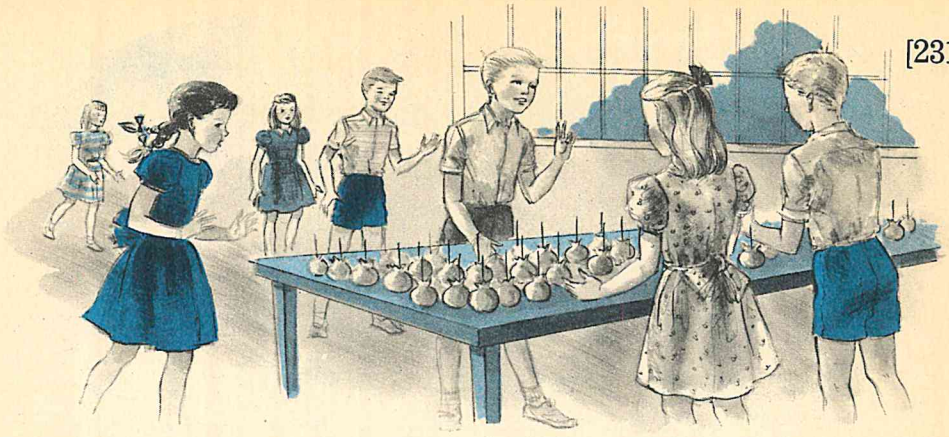
What do we subtract next? 3 from 9 What is 3 from 9? 6 What do we write in the answer, under the 3? 6

Write the example above on your paper. Subtract, and write the answer.

$$\begin{array}{r} 96 \\ -31 \\ \hline 65 \end{array}$$

Write these examples. Subtract, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F
2.	27	74	54	89	68	36
	14	23	32	67	27	14
	13	51	22	22	41	22
3.	89	69	95	38	78	57
	41	32	54	23	31	25
	48	37	41	15	47	32
4.	97	89	49	87	59	86
	41	35	18	56	16	25
	56	54	31	31	43	61
5.	78	59	97	68	89	47
	42	46	35	46	57	23
	36	13	62	22	32	24



Buying and Selling Candy Apples

The stories below tell more about the candy apples. Find what happens in each story and what the question asks. Then find the answer.

1. The children cut 98 pieces of paper to put around the apples. They had only 65 apples. How many more pieces of paper did they have than they needed? 33

We subtract to find the answer.

Think, "98 pieces of paper." Write: 98

Think, "65 pieces needed." Write: −65

Think, "How many more pieces of paper did they have than they needed? 33

Subtract, and write the answer. 33

2. The children had 65 candy apples to sell. Jane sold 23 for lunch. How many apples were left? 42 apples

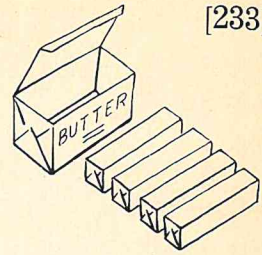
3. James had 25 cents. He spent 12 cents for apples. How much money did he have left? 13 cent
4. Sally had 39 cents. She spent 18 cents for apples. How much money did she have left? 21 cent
5. David and Bob sold candy apples after school. The boys had 42 apples to sell. They sold 31 apples. How many were left? 11 apples
6. Ted's mother bought the candy apples that were left. She had 87 cents. She spent 66 cents for apples. How much money did she have left? 21 cent

Writing Answers

Write the examples below with their signs. Add or subtract, and write the answers.

	A	B	C	D	E	F	G
1.	3	10	8	10	9	10	4
	+7	−8	+2	−6	+1	−7	+6
	10	2	10	4	10	3	10
2.	10	2	7	10	10	6	10
	−4	+8	+3	−9	−3	+4	−2
						10	8
3.	1	8	10	5	2	10	4
	+9	−3	−1	+5	+6	−5	+5

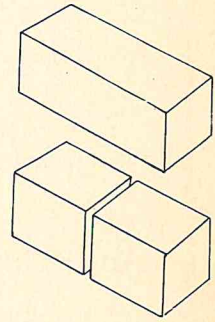
Quarters and Halves



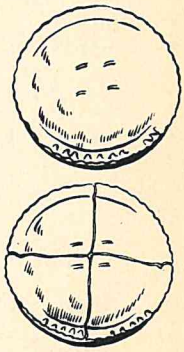
Bob bought 1 pound of butter. He opened the box and found 4 pieces of butter, all just alike. Each piece was one-fourth of a pound of butter.

1. Another name for one-fourth is one-quarter. How many quarters of a pound of butter did Bob have? 4 How many quarters are there in 1 pound? 4

2. This picture shows 1 pound of butter. It is in one piece. We call it one whole pound. The next picture shows a pound of butter cut into halves. How many halves did the whole pound make? 2 How many halves are there in a whole pound? 2



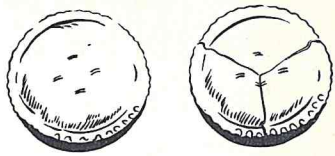
3. This picture shows one whole pie, and another pie cut into fourths. How many fourths does a whole pie make? 4 How many quarters does a whole pie make? 4



4. How many fourths are there in the ribbon below? 4 How many quarters? 4

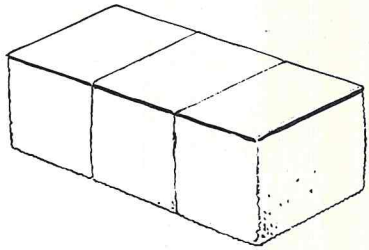
Wholes, Halves, Fourths, and Thirds

1. This picture shows one whole pie, and another pie cut into thirds.

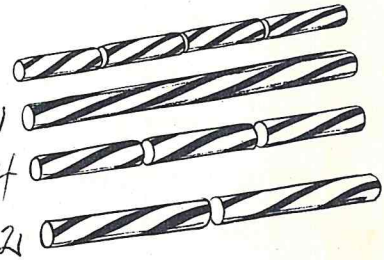


How many thirds does a whole pie make? 3

2. Jane had one whole cake. She cut it into thirds. How many thirds did the whole cake make? 3 3 How many thirds are there in one whole cake? 3

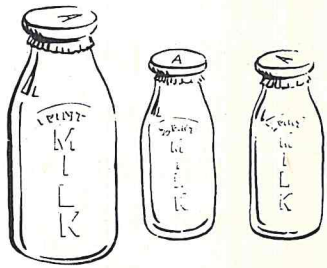


3. Find the whole stick of candy. Find the stick that is cut into halves. Find the stick that is cut into fourths. Find the stick that is cut into thirds.



3
1
4
2

4. Ann has a pint of milk. Ruth has two half-pints of milk. How many half-pints of milk are as much as one whole pint of milk? 2 Does Ruth have just as much milk as Ann? yes



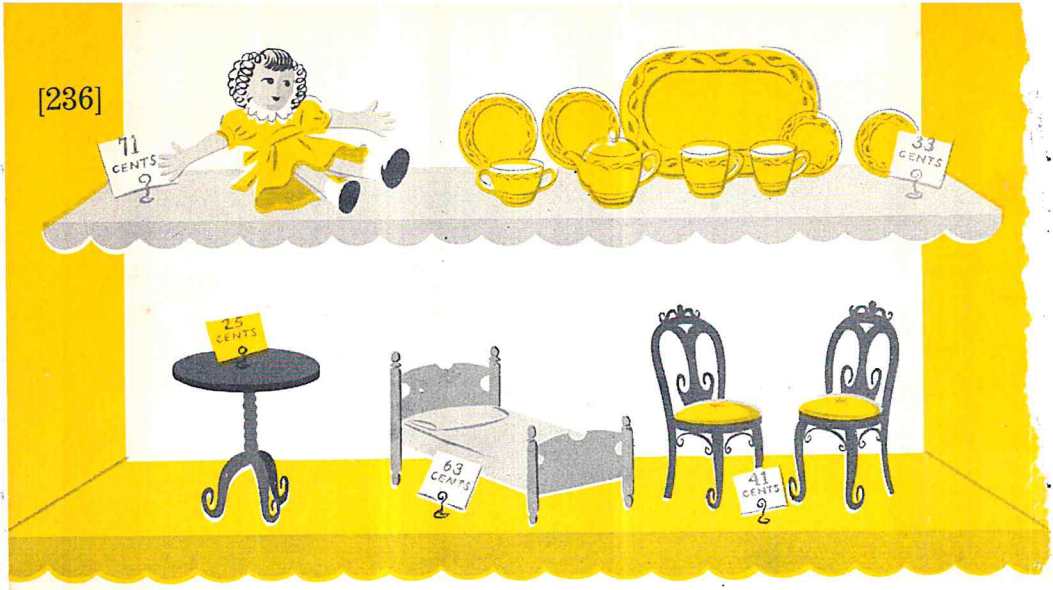
Writing Answers

Write the examples below. Subtract, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
1.	98	69	86	46	79	57	96
	16	47	32	21	15	43	83
	82	22	54	25	64	14	13
2.	38	27	49	89	58	73	68
	14	15	36	74	35	42	51
	24	12	13	15	23	31	17

Write the examples below with their signs. Add or subtract, and write the answers.

	A	B	C	D	E	F
3.	79	21	85	11	94	42
	−23	+52	−21	+61	−21	+26
	56	73	64	72	73	68
4.	71	57	21	15	67	54
	+25	−21	+37	+44	−34	+24
	96	36	58	59	33	78
5.	49	33	39	89	62	53
	−21	+14	−23	−12	+22	+32
	28	47	16	77	84	85
6.	24	98	32	86	78	43
	+15	−74	+57	+13	−52	+36
	39	24	89	99	26	79



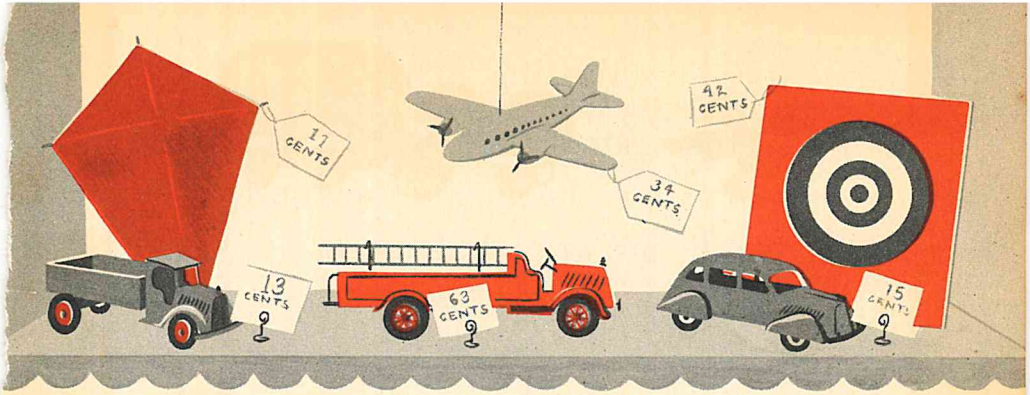
Finding How Much Toys Cost

The children saw some new toys in the store. The stories below tell about the toys. Find what each story tells and what the question asks. Then find the answer to the question.

1. Ruth said, "The table costs 25 cents and the chairs cost 41 cents." How much do they cost together? 66 cents

2. Sally has 85 cents. She wants to buy the doll that costs 71 cents. How much money will Sally have left if she buys the doll? 14 cents

3. Ann said, "The dishes are 33 cents and the bed is 63 cents. I think I will buy them." How much do both toys cost? 96 cents



4. Grace said, "The bed costs 63 cents and the chairs cost 41 cents. How much less do the chairs cost than the bed?" 104 cents

5. Bob said, "The truck costs 13 cents and the airplane costs 34 cents." How much would Bob have to pay for both toys? 47 cents

6. Ted said, "The airplane costs 34 cents and the truck costs 13 cents." How much more does the airplane cost than the truck? 47 cent

7. David said, "I want to buy the game that is 42 cents and the kite that is 17 cents." How much money does he need to buy the toys? 59 cents

8. Dick has 75 cents. He wants to buy an airplane that costs 34 cents. How much money will he have left if he buys the airplane? 41 cents

9. James wants to buy a fire engine for 63 cents and a car for 15 cents. How much money does he need to pay for them? 78 cents

Writing Answers

Write the examples below. In each example, be careful to put the numbers one just under the other. Add, and write the answers.

	A	B	C	D	E	F
1.	5	3	1	2	4	3
	2	3	4	3	4	1
	3	2	4	5	2	3
	10	8	9	10	10	7
2.	2	3	1	4	6	1
	5	2	1	3	1	5
	1	4	4	3	2	4
	8	9	6	10	9	10
3.	3	2	1	4	1	2
	4	3	7	2	8	2
	3	1	2	3	1	5
	10	6	10	9	10	9
4.	7	1	4	5	1	2
	2	3	2	3	1	6
	1	6	1	2	7	2
	10	10	7	10	9	10
5.	2	3	1	1	1	2
	1	5	6	2	2	1
	7	1	3	7	6	4
	10	9	10	10	9	7

1. What is the number of this page in your book? 239 What number comes just before 239? What number comes just after 239? 238 240

2. Tell what number comes just before and what number comes just after each of these:

16	116	216	51	151	251	60	160	260
99	199	299	45	145	245	73	173	273

3. Write the numbers from 80 to 110. Then write the numbers from 180 to 210.

4. The number 239 means 2 hundreds, 3 tens, and 9 ones. What does the number 178 mean? 1 H 7 T 8 O

5. Tell how many hundreds, tens, and ones each of these numbers means:

156	283	167	242	139	279	145	251
1 H 5 T 6 O	2 H 8 T 3 O	1 H 6 T 7 O	2 H 4 T 2 O				
1 H 3 T 9 O	2 H 7 T 9 O	1 H 4 T 5 O	2 H 5 T 1 O				

6. Find the picture of money, below, that shows just as much money as one quarter; C one-half dollar; B one dollar. A

A

B

C

Making Sure You Know

Add, and say the answers for the examples below. If you do not know some of the answers, learn them.

	A	B	C	D	E	F	G
1.	2	8	4	1	3	4	2
	3	1	3	1	5	2	1
	5	9	7	2	8	6	3
2.	6	1	2	2	6	1	4
	2	3	8	5	3	5	5
	8	4	10	7	9	6	9
3.	3	2	6	9	4	7	1
	3	7	1	1	1	3	7
	6	9	7	10	5	10	8

Write the examples below. Add, and write the answers. If you do not know some of the answers, learn them.

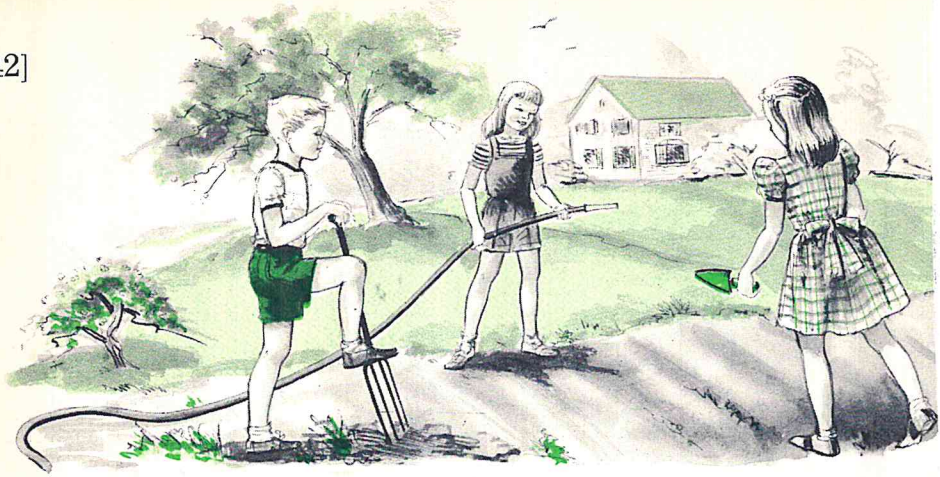
	A	B	C	D	E	F	G	H
4.	3	3	1	8	3	4	5	2
	6	2	2	2	4	6	1	6
	9	5	3	10	7	10	6	8
5.	2	1	5	7	2	3	5	1
	4	9	3	1	2	7	5	4
	6	10	8	8	4	10	10	5
6.	1	3	7	5	1	6	4	5
	8	1	2	4	6	4	4	2
	9	4	9	9	7	10	8	7

Subtract, and say the answers for the examples below. If you do not know some of the answers, learn them.

	A	B	C	D	E	F	G
1.	6	3	8	4	10	9	6
	3	2	7	1	8	4	2
	3	1	1	3	2	5	4
2.	10	7	2	10	9	5	8
	9	5	1	3	1	2	5
	1	2	1	7	8	3	3
3.	5	8	9	7	6	9	7
	4	2	7	3	5	6	1
	1	6	2	4	1	3	6

Write the examples below. Subtract, and write the answers. If you do not know some of the answers, learn them.

	A	B	C	D	E	F	G	H
4.	9	3	10	4	10	7	8	6
	2	1	2	3	1	2	4	1
	7	2	8	1	9	5	4	5
5.	4	10	6	8	9	5	10	7
	2	5	4	1	5	1	6	4
	2	5	2	7	4	4	4	3
6.	8	9	5	9	7	10	8	10
	6	3	3	8	6	7	3	4
	2	6	2	1	1	3	5	6



Making a Garden

The children are making a garden. Find what each story tells. Find the answer to the question.

1. The girls brought 6 packages of seeds and the boys brought 4. How many packages of seeds did the children bring in all? 10

2. There were 8 packages of vegetable seeds and 2 packages of flower seeds. How many more packages of vegetable seeds than flower seeds were there? 6

3. The children put seeds in 10 rows in the garden. They put vegetable seeds in 6 rows. In how many rows did they put flower seeds? 4

4. The children had 8 packages of vegetable seeds. They used 6 packages. How many packages of seeds were not used? 2

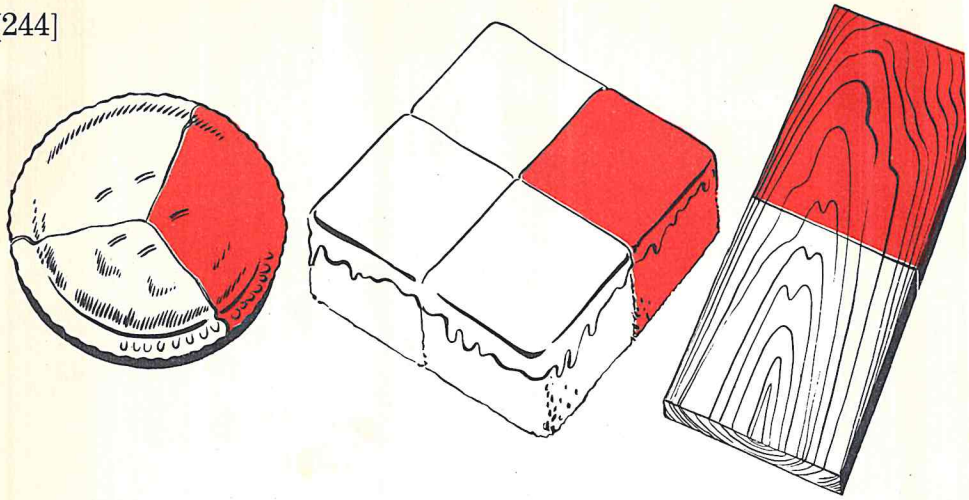
5. David brought 5 cabbage plants for the garden. Ruth brought 3 more. How many cabbage plants did they bring? 8

6. Ted brought 5 tomato plants. Sally brought 5. How many tomato plants did they bring for the garden? 10

7. Ann brought 7 flower plants. Jane brought 3. How many flower plants did the girls bring for the garden? 10

8. Ann brought 7 flower plants. She put 3 of them in a box and the others in the garden. How many plants did Ann put in the garden? 4

9. The children can have 5 rows of plants in the garden. They want 3 rows of vegetable plants. They want some flower plants, too. How many rows of flower plants can they have? 21



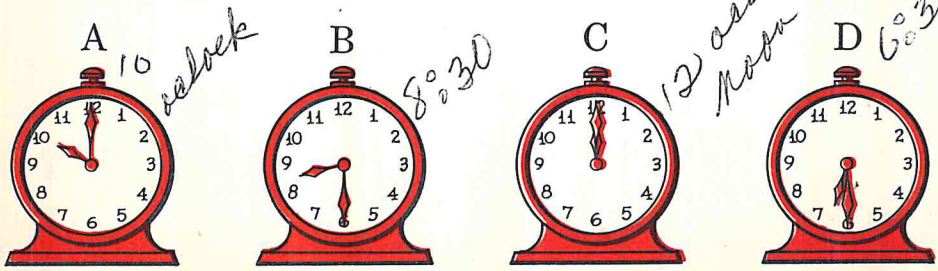
Making Sure You Know

1. Look at the pictures above. What thing is cut into halves? pie What part of it is colored red? 1/2 How many halves are there? 2 halves

2. What thing is cut into fourths? cake What part of it is colored red? 1/4 How many fourths are there? 4 fourths

3. What thing is cut into thirds? pie What part of it is colored red? 1/3 How many thirds are there? 3 thirds

4. Look at each clock below. Tell what time the clock shows.



Write the examples below. Add, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
1.	15	73	51	43	25	64	31
	43	21	13	54	54	25	62
	58	94	64	97	79	89	93
2.	62	23	14	82	52	35	41
	11	75	71	14	42	23	45
	73	98	85	96	94	58	86
3.	27	53	34	72	46	61	11
	62	26	33	13	22	31	86
	89	79	67	85	68	92	97

Write the examples below. Subtract, and write the answers. Make the numbers carefully.

	A	B	C	D	E	F	G
4.	68	94	79	48	38	88	57
	12	43	56	15	26	53	42
	56	51	23	33	12	35	15
5.	89	69	28	96	58	79	96
	43	58	14	52	17	41	74
	46	11	14	44	41	38	22
6.	37	78	59	87	95	67	49
	13	63	34	13	62	31	22
	24	15	25	74	33	36	27

The School Party

The last week of school, the children had a party for the mothers and fathers. The stories below tell what they did. Think what happens in each story and what the question asks. Then find the answer to the question.

1. The children wrote letters to ask their mothers and fathers to come to the party. The answers to the letters said that 25 mothers and 22 fathers would come. How many mothers and fathers were coming in all? 47

2. The children made 68 books to give to the mothers and fathers. They used only 47 books. How many were not used? 21

3. When the mothers and fathers came, 2 boys gave them the books. Five girls showed them where to sit, and 3 girls showed them the things the children made in school. How many children helped? 10

4. The children sang for the mothers and the fathers. They sang 1 song about the flag, 3 songs about spring, and 5 songs about school. How many songs did they sing in all? 9

5. The children put some things they had made on a long table. They had 32 pictures and 24 things made of clay. How many things did they have on the table? 56

6. The children put up some of their papers for the mothers and fathers to see. They had 34 papers with examples on them and 34 papers with stories. How many papers did they put up in all? 68

7. At the party some of the children gave a play. There were 6 clowns, 1 elephant, and 3 bears in the play. How many were in the play? 10

8. There are 34 children in the second grade. All but 12 of them played in the band at the party. How many children played in the band? 22

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Word List

In *Making Sure of Arithmetic*, Grade Two, only words that appear as first-grade words in standard word lists are assumed to be known. The 166 new words introduced in the text are listed below. Of these 166 new words, 25 are marked with asterisks (*). These 25 words are included because of their arithmetical significance. Nearly all of the other words appear as second-grade words in standard vocabulary lists.

Pages	
1	begin
	clown
2	parade
	number
3	group*
4	bottom
	row
	page
5	above
	below
	bridge
6	dotted
	part
	write
7	seven
	eight
	nine
8	large
9	
10	wheel
11	
12	donkey
13	
14	
15	
16	
17	same
18	answer
	means
	bus
19	sure
20	
21	
22	
23	
24	building

Pages	
25	block
26	alike
	adding*
27	question
28	pencil
	short
29	low
30	turtle
	log
31	
32	built
33	
34	half
	halves*
35	pie
	anything
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	cookie
	piece
46	balloon
47	
48	
49	eleven*
	twelve
50	straight
51	
52	zero*
	those

Pages	
53	hundred
54	cent
	dime*
55	nickel*
56	
57	
58	bought
	pay
59	both
	sold
60	clock
	o'clock
61	hour
62	less*
63	fewer
64	
65	
66	
67	pen
68	calves
	market
69	lamb
70	
71	
72	happens
73	
74	caves
	knocked
75	flat
76	
77	spent*
78	
79	saved
80	
81	

Pages	
82	
83	rope
	horn
84	pink
85	costs*
	paid*
86	
87	subtract*
	subtracting*
88	swinging
89	slide
90	pool
91	given
	example*
92	pint*
	quart*
	bottle
93	
94	alone
95	remember
96	wide
	ruler*
	foot
97	yardstick*
98	engine
99	track
100	fence
101	
102	
103	
104	
105	
106	zoo
107	
108	
109	sail

[252]

Pages	
110	quarter*
	dollar*
111	
112	
113	ladder
114	
115	picnic
116	dozen*
	often
117	fourth*
118	change
119	
120	
121	candles
	burning
122	
123	corner
124	
125	
126	
127	
128	
129	
130	
131	
132	
133	
134	
135	cards
	inch*
	mark
136	
137	
138	really
	broke
139	pumpkin
140	
141	
142	

Pages	
143	
144	carefully
145	tiger
	sell
146	plate
147	
148	band
	star
149	
150	
151	snowball
152	
153	
154	
155	
156	drum
157	
158	
159	flag
160	
161	
162	kite
163	
164	
165	downstairs
166	bow
	whistle
167	knife
168	
169	
170	
171	board
172	since
	between
	past
173	passed
174	
175	roof
176	clay

Pages	
177	barnyard
178	
179	pail
	dirt
180	second
	third
181	
182	
183	
184	bush
185	path
186	
187	
188	
189	cooked
190	tent
191	
192	
193	
194	cloth
195	
196	
197	
198	
199	carrots
	potatoes
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